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ABSTRACT

Detailed statistical tables showing the funding levels of 92 federal agencies for research and development (R&D) are provided in this document. These tables are organized into the following sections: research, development, and R&D plant; R&D agency, character of work, and performer; total basic and applied applied research--agency, performer, and field of science/engineering; development--agency and performer; R&D plant; total, basic, and applied research performed at universities and colleges--agency and field of SE; foreign performers--R&D; foreign performers--basic research; special foreign currency program; geographic distribution--R&D and R&D plant; federal intramural personnel costs; and historical data (outlays and obligations). In the tables, data for 1983 are considered to be actual since they represent virtually complete transactions. Data for 1984 and 1985 are estimated. The timing of the Federal Funds Survey coincided with the third quarter of fiscal year (FY) 1984; therefore, the amounts reported for 1984 reflect congressional appropriation actions as of that period, as well as apportionment and reprogramming decisions as of that time. Data for 1985 represent administration budget proposals that had not been acted on. A list of federally funded R&D centers (with total federal obligations for R&D and R&D plant in FY 1983) is included. (JN)

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NOTE: For trend comparisons, use only the historical data for fiscal years 1975-85 contained in tables C-113 through C-133 in this *Federal Funds, Volume XXXIII* series. Do not use data published earlier. These tables incorporate changes made by the agencies in prior-year data to reflect program reclassifications. Copies of *Federal Funds for Research and Development, Detailed Historical Tables: Fiscal Years 1967-85* an unpublished, computer-run series, are also available gratis on request from the NSF Division of Science Resources Studies.

general notes

The tables in this publication have been derived from the *Federal Funds for Research and Development*, Volume XXXIII survey. This survey covered a later and more detailed classification of research and development (R&D) programs in the 1985 Federal budget than the data that appeared in "Special Analysis K: Research and Development," issued in February 1984 as one of the documents of the *Budget of the United States Government, Fiscal Year 1985*. The data in these *Detailed Statistical Tables* show R&D funding levels as reported by 92 Federal agencies in March through August 1984. All agencies with R&D programs were covered.

R&D totals in these tables are given in both outlays and obligations. The R&D obligation data are further distributed by character of work, performer, field of science/engineering (for research but not development), and Federal R&D support by State. Obligations for research performance at universities and colleges by fields of science/engineering are also shown as are R&D plant data.

The amounts reported for each year of this survey include the obligations or outlays occurred in that year, regardless of the time the funds may have been authorized, appropriated, or received by an agency, and regardless of whether the funds are identified in an agency's budget specifically for research, development, or R&D plant.

In the tables, data for 1983 are considered to be actual since they represent virtually completed transactions. Data for 1984 and 1985 are estimated since they do not represent final actions. The timing of the *Federal Funds* survey coincided with the third quarter of fiscal year 1984; therefore, the amounts reported for 1984 reflect congressional appropriation actions as of that period, as well as apportionment and reprogramming decisions as of that time. Data for 1985 represent administration budget proposals that had not been acted on. The effects of later authorization, appropriation, deferral, and apportionment actions will be reflected in later surveys of this series.

In classifying the data, the agencies must rely on judgment to some extent. Most R&D programs are not shown as budget line items and have to be identified by respondents within larger programs. Judgment is often involved also in determining which funding areas constitute basic research, applied research, development, and specific fields of science/engineering.

R&D plant data are understated because of the difficulty encountered by some agencies in identifying R&D plant within contracts for research and development. The Department of Defense can identify only limited portions of R&D plant in contracts funded from the research, development, test, and evaluation (RDT&E) appropriation. The National Aeronautics and Space Administration faces a similar problem in reporting R&D plant data.

Despite the fact that the differences between the *Federal Funds* requirements and the internal reporting systems of many agencies may call for judgment, the reporting experience of most agencies and their interaction over the years with the National Science Foundation staff have considerably increased the reliability of the data.

Sometimes agencies revise their reporting concepts, making revisions in the current data that are important enough to warrant revisions of prior-year data. Some prior-year changes occur almost every year. Therefore, only the historical data contained in appendix C (tables C-113 through C-133) should be used instead of data in previously published appendix tables in the *Federal Funds* series.

The final report, *Federal Funds for Research and Development*, Volume XXXIII, will be published separately and will contain an analysis of the R&D portion of the 1985 Federal budget. A section of the report will cover an R&D analysis by budget function and will provide a number of text tables and charts, but will not include the detailed statistical tables contained in this volume.

Inquiries relating to *Federal Funds*, Volume XXXIII should be directed to the National Science Foundation, Division of Science Resources Studies, Washington, D.C. 20550. Telephone: (202) 634-4636.

appendix a

technical notes

scope and method

During the period March through August 1984 a total of 33 Federal agencies and their subdivisions—92 individual respondents—submitted data in response to the Annual Survey of Federal Funds for Research and Development, Volume XXXIII, conducted by the National Science Foundation (NSF) and distributed in February and March 1984. In nearly all cases the data received from the agencies were reported as obligations and outlays incurred, or expected to be incurred, regardless of when the funds were appropriated or whether they were identified in the respondents' budgets specifically for research and development (R&D) activities. The exception was the National Aeronautics and Space Administration (NASA), for which the same kinds of transactions were reported in terms of budget plan, which approximates obligations.

Federal agencies provided R&D data earlier to the Office of Management and Budget (OMB) for inclusion in "Special Analysis K: Research and Development" in *The Budget of the United States Government, Fiscal Year 1985*. This was one of the budget documents presented to the Congress in February 1984. The R&D data in the agency submissions to OMB and to the *Federal Funds* survey were based on the same definitions and are reconcilable. But the data in the *Federal Funds* survey include smaller R&D support agencies not covered by "Special Analysis K" and are classified in more detailed categories.

definitions

The definitions are essentially unchanged from prior *Federal Funds* surveys.

1. research, development, and r&d plant

This heading includes all direct, indirect, incidental, or related costs resulting from or necessary to research, development, and R&D plant, regardless of whether the research and development are performed by a Federal agency (intramurally) or performed by private individuals and organizations under grant or contract (extramurally). Research and development exclude routine product testing, quality control, mapping and surveys, collection of general-purpose statistics, experimental production, and the training of scientific personnel.

a. **Research** is systematic study directed toward fuller scientific knowledge or understanding of the subject studied. Research is classified as either basic or applied according to the objectives of the sponsoring agency.

In **basic research** the objective of the sponsoring agency is to gain fuller knowledge or understanding of the fundamental aspects of phenomena and of observable facts without specific applications toward processes or products in mind.

In **applied research** the objective of the sponsoring agency is to gain knowledge or understanding necessary for determining the means by which a recognized and specific need may be met.

b. **Development** is systematic use of the knowledge or understanding gained from research, directed toward the production of useful materials, devices, systems, or methods, including design and development of prototypes and processes. It excludes quality control, routine product testing, and production.

c. **R&D plant** (R&D facilities and fixed equipment, such as reactors, wind tunnels, and radio telescopes) includes acquisition of, construction of, major repairs to, or alterations in structures, works, equipment, facilities, or land, for use in R&D activities at Federal or non-Federal installations. Excluded from the R&D plant category are expendable equipment and office furniture and equipment. Obligations for foreign R&D plant are limited to Federal funds for facilities located abroad and used in support of foreign research and development.

2. obligations and outlays

a. **Obligations** represent the amounts for orders placed, contracts awarded, services received, and similar transactions during a given period, regardless of when the funds were appropriated and when future payment of money is required.

b. **Outlays** represent the amounts for checks issued and cash payments made during a given period, regardless of when the funds were appropriated.

The obligations and outlays reported cover all transactions from all funds available to an agency from direct appropriations, trust funds, or special account receipts, corporate income, or other sources, including funds appropriated by the President, that the agency has received or expects to receive. The amounts reported for each year reflect obligations and outlays for that year, regardless of when the funds were originally authorized or received and regardless of whether they were appropriated, received, or identified in the agency's budget specifically for research, development, or R&D plant.

An agency making a transfer of funds to another agency includes such transfers in its report of obligations and outlays. The receiving agency does not report, for purposes of this survey, funds transferred to it from another agency. Similarly, a subdivision of an agency that transfers funds to another subdivision within that agency reports such obligations or outlays as its own.

Obligations and outlays for work performed in foreign countries include funds directly available to Federal agencies and special foreign currencies separately appropriated. The latter currencies are derived largely from provisions of Public Law 480, 1954, as amended.

3. cost coverage

Funds reported for research and development reflect full costs. In addition to costs of specific R&D projects, the applicable overhead costs are also included. The amounts reported include the costs of planning and administering R&D programs, laboratory overhead, pay of military personnel, and departmental administration.

4. fiscal year

The fiscal year in the Federal Government accounting period begins October 1 of a given year and ends September 30 of the following year; thus, fiscal year 1983 began on October 1, 1982, and ended September 30, 1983.

5. agency

An agency is an organization of the Federal Government whose principal executive officer reports to the President. The only exception is the Library of Congress, also included in the survey, whose executive officer reports to the Congress. The term subdivision refers to any major organizational unit of a reporting agency, such as a bureau, administration, office, or service.

6. performers

Performers are either intramural organizations accomplishing operating functions or extramural organizations or persons receiving support or providing services under a contract or grant.

a. **Intramural performers:** Agencies of the Federal Government. Their work is carried on directly by their own personnel. Obligations reported under this category are for activities performed directly by a reporting agency, or they represent funds that the agency transfers to another Federal agency for performance of work. The ultimate performer must be a Federal agency. If the ultimate performer is *not* a Federal agency, the funds so transferred are reported by the transferring agency under the appropriate extramural performer category (industrial firms, universities and colleges, other nonprofit institutions, etc.). Intramural performance includes the costs of supplies and equipment, essentially of an "off-the-shelf" nature, that are procured for use in intramural research and development. The cost of Federal personnel engaged in planning and administering intramural and extramural R&D programs are also included as part of the intramural performance total.

b. **Extramural performers:** All organizations outside the Federal sector that perform with Federal funds under contract or grant. Only those costs associated with actual extramural R&D performance are reported, but these would include costs of materials and supplies to carry out R&D activities. Costs of "off-the-shelf" supplies and equipment procured from extramural suppliers and required to support intramural research and development are considered as part of the costs of intramural performance and not as part of the costs of extramural performance. Extramural performers are identified as follows:

i. **Industrial firms:** Those organizations that may legally distribute net earnings to individuals or to other organizations.

ii. **Universities and colleges:** Institutions engaged primarily in providing resident and/or accredited instruction for at least a 2-year program above the secondary school level. Included are colleges of liberal arts; schools of arts and sciences; professional schools, as in engineering and medicine, including affiliated hospitals; associated research institutes; and agricultural experiment stations.

iii. **Other nonprofit institutions:** Private organizations, other than educational institutions, no part of whose net earnings inure to the benefit of a private stockholder or individual, and other private organizations organized for the exclusive purpose of turning over their entire net earnings to such nonprofit institutions.

iv. **Federally funded research and development centers (FFRDC's):** R&D-performing organizations exclusively or substantially financed by the Federal Government that are supported by the Federal Government either to meet a particular R&D objective or, in some instances, to provide major facilities at universities for research and associated training purposes. Each center is administered either by an industrial firm, a university, or another nonprofit institution.

In general, all of the following criteria are met by an organization before it is included in the FFRDC category: (1) Its primary activities include one or more of the following: Basic research, applied research, development, or management of research and development (specifically excluded are organizations engaged primarily in routine quality control and testing, routine service activities, production, mapping and surveys, and information dissemination); (2) it is a separate operational unit within the parent organization or is organized as a separately incorporated organization; (3) it performs actual research and development or R&D management either upon direct request of the Federal Government or under a broad charter from the Federal Government, but in either case

under the direct monitorship of the Federal Government; (4) it receives its major financial support (70 percent or more) from the Federal Government, usually from one agency; (5) it has, or is expected to have, a long-term relationship with its sponsoring agency (about five years or more), as evidenced by specific obligations assumed by it and the agency; (6) most or all of its facilities are owned by, or are funded under contract with, the Federal Government; and (7) it has an average annual budget (operating and capital equipment) of at least $500,000.

FFRDC's are grouped into four categories, research laboratories, R&D laboratories, study and analysis centers, and system engineering/system integration centers, according to their primary activity to reflect the differences in the nature and activities of the centers.[1]

Research laboratories are principally used for the pursuit of research (as distinguished from development). Most concentrate on basic research in one particular area and many provide major, unique, research facilities for national use.

R&D laboratories engage in various facets of the R&D process. Most are multiprogram laboratories active in a variety of science and/or engineering areas, though some specialize in a broad functional area such as national security or nuclear energy. Most of these institutions contain major national research and/or testing facilities.

Study and analysis centers are involved exclusively in analytical activities; no hardware-related laboratory research or development is carried out.

System engineering/system integration centers primarily provide systems engineering, R&D system integration, and management support for definition and development of large technical systems.

v. **State and local governments:** State and local government agencies, excluding State and local universities and colleges, agricultural experiment stations, medical schools, and affiliated hospitals. (Federal R&D funds obligated directly to such State and local educational institutions are included under the universities-and-colleges category in this survey.) Research and development under the State-and-local-government category are performed either directly by State or local agencies or by other organizations under grant or contract from such agencies. Regardless of the ultimate performer, Federal R&D funds directed to State and local governments are reported under the State-and-local-government category, and no other.

vi. **Foreign performers:** Foreign citizens, organizations, or governments, as well as international organizations, such as NATO, UNESCO, and WHO, performing work abroad financed by the Federal Government. Excluded are payments to U.S. agencies, organizations, or citizens performing research and development abroad for the Federal Government, the survey does not seek information on "offshore" payments. Also excluded are payments to foreign scientists performing in the United States.

vii. **Private individuals:** Individuals receiving a Federal R&D grant or contract award directly; in this case obligations are reported under "industrial firms."

7. fields of science /engineering

The fields of science/engineering in this survey are divided into eight broad field categories, each of them consisting of a number of detailed fields. The broad fields are life sciences, psychology, physical sciences, environmental sciences, mathematics and computer sciences, engineering, social sciences, and other sciences not elsewhere classified. The following listing presents the fields grouped under each of the broad fields, together with illustrative disciplines.

a. **Life sciences** consist of five detailed fields: biological (excluding environmental), environmental biology, agricultural, medical, and life sciences not elsewhere classified. The illustrative disciplines provided below under each of these detailed fields are not intended to be sharp definitions; they represent examples of disciplines generally classified under a given detailed field. A discipline, however, may be classified under another detailed field when the major emphasis is elsewhere. Research in biochemistry could be reported as biological, agricultural, or medical, depending on the orientation of the project. Human biochemistry would be classified under biological, but animal biochemistry or plant biochemistry would be under agricultural. Examples of disciplines under each of the detailed fields are as follows:

Biological (excluding environmental): anatomy; biochemistry; biology; biometry and biostatistics; biophysics; botany; cell biology; entomology and parasitology; genetics; microbiology; neuroscience (biological); nutrition; physiology; zoology; other biological, n.e.c.[2]

Environmental biology: ecosystem sciences; evolutionary biology; limnology; physiological; ecology; population biology; population and biotic community ecology; systematics; other environmental biology, n.e.c.[2]

Agricultural: agronomy; animal sciences; food science and technology; fish and wildlife; forestry; horticulture; plant sciences; soils and soil science; phytopathology; phytoproduction; agriculture, general; other agriculture, n.e.c.[2]

Medical: internal medicine; neurology; obstetrics and gynecology; ophthalmology; otolaryngology; pediatrics; preventive medicine; pathology; pharmacology; psychiatry; radiology; surgery; dentistry; pharmacy; veterinary medicine; other medical, n.e.c.[2]

Life sciences, n.e.c.[2]

b. **Psychology** deals with behavior, mental processes, and individual and group characteristics and abilities. Psychology is divided into three categories: biological aspects, social aspects, and psychological sciences not elsewhere classified. Examples of disciplines under each of these fields are as follows:

Biological aspects: experimental psychology; animal behavior; clinical psychology; comparative psychology; ethology

Social aspects: social psychology; educational, personnel, vocational psychology, and testing; industrial and engineering psychology; development and personality.

[1] The categories were established in December 1982 by a Task Force of representatives of agencies responsible for FFRDC's at the request of the Office of Science and Technology Policy.

[2] Not elsewhere classified. Includes multidisciplinary projects within a broad field and single-discipline projects for which a separate field has not been assigned.

Psychological sciences, n.e.c.[2]

c. **Physical sciences** are concerned with understanding of the material universe and its phenomena. They comprise the fields of astronomy, chemistry, physics, and physical sciences not elsewhere classified. Examples of disciplines under each of these fields are as follows:

Astronomy: laboratory astrophysics, optical astronomy; radio astronomy; theoretical astrophysics; Gamma-ray, neutrino astronomy.

Chemistry: inorganic; organo-metallic; organic; physical.

Physics: acoustics; atomic and molecular; condensed matter; elementary particle; nuclear structure; optics; plasma.

Physical sciences, n.e.c.[2]

d. **Environmental sciences** (terrestrial and extraterrestrial) are concerned (with one exception) with the gross nonbiological properties of the areas of the solar system that directly or indirectly affect man's survival and welfare; they comprise the fields of atmospheric sciences, geological sciences, oceanography, and environmental sciences not elsewhere classified. The one exception is that obligations for studies pertaining to life in the sea, or other bodies of water, are reported as support of oceanography and not biology. Examples of disciplines under each of these fields are as follows:

Atmospherics sciences: aeronomy; solar; weather modification; extraterrestrial atmospheres; meteorology.

Geological sciences: engineering geophysics; general geology; geodesy and gravity; geomagnetism; hydrology; inorganic geochemistry; isotopic geochemistry; organic geochemistry; laboratory geophysics; paleomagnetism; paleontology; physical geography and cartography; seismology; soil sciences.

Oceanography: biological oceanography; chemical oceanography; physical oceanography; marine geophysics.

Environmental sciences, n.e.c.[2]

e. **Mathematics and computer sciences** employ logical reasoning with the aid of symbols and are concerned with the development of methods of operation employing such symbols, and in the case of computer sciences, with the application of such methods to automated information systems. Examples of disciplines under each of these fields are as follows:

Mathematics: algebra; analysis; applied mathematics; foundations and logic; geometry; numerical analysis; statistics; topology.

Computer sciences: programming languages; computer and information sciences (general); design, development, and application of computer capabilities to data storage and manipulation; information sciences and systems; systems analysis.

Mathematics and computer sciences, n.e.c.[2]

f. **Engineering** is concerned with studies directed toward developing engineering principles or toward making specific scientific principles usable in engineering practice. Engineering is divided into eight fields: aeronautical, astronautical, chemical, civil, electrical, mechanical, metallurgy and materials, and engineering not elsewhere classified. Examples of disciplines under each of these fields are as follows:

Aeronautical: aerodynamics.

Astronautical: aerospace; space technology.

Chemical: petroleum; petroleum refining; process.

Civil: architectural; hydraulic, hydrologic; marine; sanitary and environmental; structural; transportation.

Electrical: communication; electronic; power.

Mechanical: engineering mechanics.

Metallurgy and materials: ceramic; mining; textile, welding.

Engineering, n.e.c.[2] agricultural; industrial and management; nuclear; ocean engineering systems.

g. **Social sciences** are directed toward an understanding of the behavior of social institutions and groups and of individuals as members of a group. These sciences include anthropology, economics, political science, sociology, and social sciences not elsewhere classified. Examples of disciplines under each of these fields are as follows:

Anthropology: archaeology; cultural and personality; social and ethnology; applied anthropology.

Economics: econometrics and economic statistics; history of economic thought; international economics; industrial, labor, and agricultural economics; macroeconomics; microeconomics; public finance and fiscal policy; theory; economic systems and development.

Political science: area or regional studies; comparative government; history of political ideas; international relations and law; national political and legal systems; political theory; public administration.

Sociology: comparative and historical; complex organizations; culture and social structure; demography; group interactions, social problems and social welfare; sociological theory.

Social sciences, n.e.c.[2] linguistics; research in education; research in history; socioeconomic geography; research in law, e.g., attempts to assess the impact on society of legal systems and practices.

h. **Other sciences not elsewhere classified** includes multidisciplinary and interdisciplinary projects that cannot be classified within one of the broad fields of science/engineering.

8. geographic distribution of 1983 r&d obligations

a. Ten agencies participated in the survey covering the geographic distribution of obligations for research and development and R&D plant. These ten agencies accounted for 98 percent of total Federal R&D and R&D plant obligations in 1983. The respondents were the Departments of Agriculture (USDA); Commerce; Energy (DOE); Defense (DOD); Health and Human Services (HHS); the Interior; and Transportation (DOT); the Environmental Protection Agency (EPA); NASA; and NSF.

b. Data were requested for the "actual" year 1983 in terms of the principal location (State or outlying area) where the work was performed by the prime contractor,

grantee, or intramural organization. When this information was not available in their records, the respondents were asked to assign the obligations to the State, outlying area, or office abroad where the headquarters of the U.S. prime contractor, grantee, or intramural organization was located.

c. Obligations were reported for research and development as a combined amount.

d. Specifically omitted from the geographic survey were R&D obligations to foreign performers and obligations for R&D plant used in support of foreign performers. Foreign performer data, by country, are reported in another part of the *Federal Funds* survey.

changes in reporting

Responses from the agencies in this survey, as in the previous ones, reflect revisions of estimates for the latest two years of the previous report, in this case fiscal years 1983 and 1984. Such revision is part of the budgetary cycle. From time to time responses also reflect reappraisals and revisions in classification of various aspects of agencies' R&D programs. When this occurs, NSF requires the agencies to provide revised prior-year data to maintain consistency and comparability with the most recent concepts.

limitations of the data

Funds for research and development were reported on a 3-year basis comparable with the 1985 budget, upon which the data were based. The respondents reconciled the data reported to the *Federal Funds* survey with amounts for research and development provided to OMB for the 1985 budget. The amounts reported for each year, as already stated, are the obligations or outlays incurred in that year, regardless of when the funds were authorized or received by an agency and regardless of whether the funds were identified in the agency's budget specifically for research, development, and/or R&D plant.

Data submitted by the Federal agencies for 1983 are considered to be actual since they represent virtually completed transactions. Amounts reported for 1984 and 1985 are estimates in that they are subject to further appropriation, apportionment, or deferral decisions. The effects of these and other, later actions on 1984 and 1985 outlays and obligations will be reflected in the next report.

Respondent judgment is often necessary in classifying the data. Most agency R&D programs must be separated by agency respondents from other, larger programs because they are not identified as budget-line items. R&D programs, once identified, must then be further subdivided into the survey categories: Basic research, applied research, development, performers, and fields of science/engineering. Over the years, however, the participating agencies have developed increasing skill and consistency in meeting the survey requirements.

Some agencies have not been able to report the full costs of research and development. For example, the headquarters costs of planning and administering R&D programs of DOD (estimated at a fraction of 1 percent of the DOD R&D total) are not included because this agency has stated that identification of the amounts is impracticable.

R&D plant data are also to some extent underreported because of the difficulty encountered by some agencies, particularly DOD and NASA, in identifying and reporting these data. While DOD reports obligations for R&D plant under its construction appropriation, that agency is able to identify only a small portion of the R&D plant support within R&D contracts that are funded from its RDT&E appropriation. NASA cannot separately identify the portions of industrial R&D contracts that apply to R&D plant. It subsumes R&D plant data in the R&D data covering industrial performance; R&D plant data for other NASA performing sectors are reported.

relation to other reports

1. federal support to universities and colleges

NSF conducts a separate survey covering Federal support to individual universities and colleges. This survey is based on data provided by the Federal agencies under the reporting system established by the former Committee on Academic Science and Engineering (CASE) of the Federal Council for Science and Technology. The reports resulting from these surveys are entitled *Federal Support to Universities, Colleges, and Selected Nonprofit Institutions* and are referred to as the CASE reports.

Both the CASE and *Federal Funds* reports provide data on Federal obligations for research and development and R&D plant to universities and colleges and to university-administered FFRDC's. The CASE report, however, is based on obligations of Federal agencies to each *individual* academic institution, whereas the *Federal Funds* report is concerned with obligations to universities and colleges as a performer *group*. The CASE report additionally includes funds for non-R&D activities, such as science education and nonscience support. Further, the CASE survey is based on reports of only 15 agencies (USDA; Commerce; DOD; the Departments of Education, DOE, HHS, Housing and Urban Development, Interior, and Labor; DOT; EPA; NASA; NSF; the Agency for International Development; and the Nuclear Regulatory Commission), whereas the *Federal Funds* survey is composed of obligations of all agencies with R&D programs. The 15 respondents to CASE, however, account for more than 98 percent of total Federal R&D support to universities and colleges and all obligations to university-administered FFRDC's.

The different reporting procedures have led to the reporting of different totals to the CASE and *Federal Funds* surveys, as follows:

a. The obligations for research and development to universities and colleges reported for *Federal Funds* in 1983 amounted to $4,966 million, or $55 million less than the amount reported for CASE.

b. The R&D obligation total for university-administered FFRDC's, as reported to *Federal Funds*, was $2,266 million in 1983, or $122 million less than reported for CASE. For *Federal Funds*, the amount subcontracted by the NASA university-administered Jet Propulsion Laboratory was included in ultimate-performer categories; whereas for CASE, the subcon-

tracted amount was included in the R&D obligations to FFRDC's administered by universities.

c. Total R&D plant obligations to universities and colleges reported to the *Federal Funds* survey were $32 million in 1983, or $5 million less than the amount reported to the CASE survey.

d. Total R&D plant obligations to university-administered FFRDC's, as reported to *Federal Funds*, were $353 million in 1983, or $16 million more than reported to CASE.

The following factors should also be considered in comparing the data appearing in the two reports:

For *Federal Funds* each agency includes as part of its obligations the amounts transferred to other agencies for R&D activities. A receiving agency does not report funds transferred from another agency. In the CASE survey, by contrast, the data are reported by the agency that makes the *final* distribution of the funds to a given institution. Thus, for the CASE survey, agencies include funds received from other agencies and exclude funds transferred to other agencies, the reverse of the *Federal Funds* process. Although such transfers should balance each other out with no resulting changes in total R&D obligations, these different reporting requirements add to the possibility of differences between the two reports.

The CASE responses are in many instances prepared by different operating units within the agencies from those that prepare the *Federal Funds* responses. The CASE data are also collected several months earlier than the *Federal Funds* data. Theoretically, these conditions should not add to reporting differences, but in practice, differences do arise.

2. special analyses, budget of the united states

In a section of *Special Analyses, Budget of the United States Government*, OMB publishes estimates of obligations and outlays for research, development, and R&D plant. These data, as shown in "Special Analysis K: Research and Development" in the 1985 budget, did not provide as much detail on character of work as *Federal Funds* data, and they did not include information on performers, fields of science/engineering, or geographic distribution.

"Special Analysis K" and *Federal Funds* utilized the same definitions for research and development and for R&D plant. The estimates for research and development published in the two reports are comparable, even though minor differences exist. The comparison between the two reports is as follows:

Total Federal R&D obligations
[Billions of dollars]

	FY 1983	FY 1984	FY 1985
Federal Funds	$38.7	$44.8	$52.3
Special Analysis K .	38.4	45.3	51.8

3. federal r&d funding by budget function: fiscal years 1983-85

NSF published a special report under the above title, providing an analysis of Federal R&D programs by budget function categories. The *Federal Funds*, Volume XXXIII survey, by contrast, reported on R&D funding by agencies rather than by functional categories. The *Federal Funds* report provided obligational data rather than budget authority data, which formed the basis for the function report. The R&D budget authority data for 1983-85 in the function report were based on information provided to OMB by the agencies as background for "Special Analysis K" in the 1985 budget. Further program information was based on budget justification documents of the leading R&D support agencies and information provided directly to NSF by some of the smaller agencies.

4. other reports

a. Agencies may classify their R&D programs for purposes other than those for which the *Federal Funds* survey is conducted. Definitions and guidelines that are suitable to these other purposes may result in information that is not comparable with the data transmitted to NSF for *Federal Funds*.

appendix b

federally funded research and development centers, fiscal years 1983-85

NOTE: Total Federal obligations for R&D and R&D plant support to each FFRDC in fiscal year 1983 are shown in parentheses. The overall total is $4,875,690,000.

department of defense
office of the secretary of defense

Administered by other nonprofit institutions:

Institute for Defense Analyses (IDA), Arlington, Virginia ($18,084,000)

department of the navy

Administered by universities and colleges:

Center for Naval Analyses (University of Rochester), Arlington, Virginia ($18,451,000)

department of the air force

Administered by universities and colleges:

Lincoln Laboratory (Massachusetts Institute of Technology), Lexington, Massachusetts ($284,950,000)

Administered by other nonprofit institutions:

Aerospace Corporation, El Segundo, California ($241,532,000)

C³I Division (MITRE Corporation),[3] Bedford, Massachusetts ($190,280,000)

Project Air Force (RAND Corporation),[4] Santa Monica, California ($16,721,000)

department of health and human services
national institutes of health

Administered by industrial firms:

Frederick Cancer Research Center (Litton Bionetics, Inc., Litton Industries), Frederick, Maryland ($33,918,000)

[3]Only the C³I Division of the MITRE Corporation is reported as an FFRDC. All other agency support to MITRE is reported under "other nonprofit institutions excluding FFRDC's."

[4]Only the Project Air Force portion of the RAND Corporation is reported as an FFRDC. All other agency support to RAND is reported under "nonprofit institutions excluding FFRDC's."

department of energy

Administered by industrial firms:

Bettis Atomic Power Laboratory (Westinghouse Electric Corp.), Pittsburgh, Pennsylvania ($241,143,000)

Energy Technology Engineering Center (Rockwell International Corporation), Santa Susana, California ($37,970,000)

Hanford Engineering Development Laboratory (Westinghouse-Hanford Corp.), Richland, Washington ($135,633,000)

Idaho National Engineering Laboratory (EG&G Idaho, Inc.; Exxon Idaho Co.; Argonne National Laboratory, West; Westinghouse Electric Corp.), Idaho Falls, Idaho ($152,034,000)

Knolls Atomic Power Laboratory (General Electric Company), Schenectady, New York ($223,200,000)

Oak Ridge National Laboratory (Union Carbide Corp.), Oak Ridge, Tennessee ($268,565,000)

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Sandia National Laboratories (Western Electric Co., Inc.-Sandia Corp.), Albuquerque, New Mexico ($523,789,000)

Savannah River Laboratory (E.I. duPont de Nemours & Co., Inc.), Aiken, South Carolina ($51,369,000)

Administered by universities and colleges:

Ames Laboratory (Iowa State University of Science and Technology), Ames, Iowa ($18,247,000)

Argonne National Laboratory (University of Chicago and Argonne Universities Assn.), Argonne, Illinois ($207,367,000)

Brookhaven National Laboratory (Associated Universities, Inc.), Upton, Long Island, New York ($168,303,000)

E. O. Lawrence Berkeley Laboratory (University of California), Berkeley, California ($126,147,000)

E. O. Lawrence Livermore National Laboratory (University of California), Livermore, California ($603,049,000)

Fermi National Accelerator Laboratory (Universities Research Association, Inc.), Batavia, Illinois ($174,532,000)

Los Alamos National Laboratory (University of California), Los Alamos, New Mexico ($488,012,000)

Oak Ridge Associated Universities, Oak Ridge, Tennessee ($8,830,000)

Princeton Plasma Physics Laboratory (Princeton University), Princeton, New Jersey ($133,531,000)

Stanford Linear Accelerator Center (Stanford University), Stanford, California ($86,952,000)

Administered by other nonprofit institutions:

Pacific Northwest Laboratory (Battelle Memorial Institute), Richland, Washington ($80,089,000)

Solar Energy Research Institute (Midwest Research Institute), Golden, Colorado ($42,473,000)

National Aeronautics and Space Administration

Administered by universities and colleges:

Jet Propulsion Laboratory (California Institute of Technology), Pasadena, California ($226,445,000)

National Science Foundation

Administered by universities and colleges:

Cerro Tololo Inter-American Observatory (Association of Universities for Research in Astronomy, Inc.), La Serena, Chile ($6,460,000)

Kitt Peak National Observatory (Association of Universities for Research in Astronomy, Inc.), Tucson, Arizona ($11,655,000)

National Astronomy and Ionosphere Center (Cornell University), Arecibo, Puerto Rico ($5,110,000)

National Center for Atmospheric Research (University Corporation for Atmospheric Research), Boulder, Colorado ($32,849,000)

National Radio Astronomy Observatory (Associated Universities, Inc.), Green Bank, West Virginia ($15,900,000)

Sacramento Peak Observatory (Association of Universities for Research in Astronomy, Inc.), Sunspot, New Mexico ($2,100,000)

categories of ffrdc's[5]

Total of Federal obligations, for R&D and R&D plant support to each FFRDC in fiscal year 1983 is shown in parentheses. The overall total is $4,875,690,000

research laboratories ($369,476,000)

DOE: Fermi National Accelerator Laboratory ($174,532,000)
DOE: Stanford Linear Accelerator ($86,952,000)
HHS/NIH: Frederick Cancer Research Center ($33,918,000)
NSF: Cerro Tololo Inter-American Observatory ($6,460,000)
NSF: Kitt Peak National Observatory ($11,655,000)
NSF: National Astronomy and Ionosphere Center ($5,110,000)
NSF: National Center for Atmospheric Research ($32,849,000)
NSF: National Radio Astronomy Observatory ($15,900,000)
NSF: Sacramento Peak Observatory ($2,100,000)

r&d laboratories ($4,021,146,000)

DOD/AF: Lincoln Laboratory ($284,950,000)
DOE: Ames Laboratory ($18,247,000)
DOE: Argonne National Laboratory ($207,367,000)
DOE: Bettis Atomic Power Laboratory ($241,143,000)
DOE: Brookhaven National Laboratory ($168,303,000)
DOE: E.O. Lawrence Berkeley Laboratory ($126,147,000)
DOE: E.O. Lawrence Livermore National Laboratory ($603,049,000)
DOE: Energy Technology Engineering Center ($37,970,000)
DOE: Hanford Engineering Development Laboratory ($135,633,000)
DOE: Idaho National Engineering Laboratory ($152,034,000)
DOE: Knolls Atomic Power Laboratory ($223,200,000)
DOE: Los Alamos National Laboratory ($488,012,000)
DOE: Oak Ridge Associated Universities ($8,830,000)
DOE: Oak Ridge National Laboratory ($268,565,000)
DOE: Pacific Northwest Laboratory ($80,089,000)
DOE: Princeton Plasma Physics Laboratory ($133,531,000)
DOE: Sandia National Laboratories ($523,789,000)
DOE: Savannah River Laboratory ($51,369,000)
DOE: Solar Energy Research Institute ($42,473,000)
NASA: Jet Propulsion Laboratory ($226,445,000)

study and analysis centers ($53,256,000)

DOD/AF: Project Air Force ($16,721,000)
DOD/Navy: Center for Naval Analysis ($18,451,000)
DOD/OSD: Institute of Defense Analysis ($18,084,000)

system engineering/system integration centers ($431,812,000)

DOD/AF: Aerospace Corporation ($241,532,000)
DOD/AF: C³I Division of MITRE ($190,280,000)

[5] Categories are defined in the Technical Notes under Performer: FFRDC's.

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notes

- Estimates for 1985 are based on *The Budget of the United States Government, Fiscal Year 1985*, as submitted to Congress by the administration, and do not reflect subsequent appropriations and apportionment actions.
- Details may not add to totals because of rounding.
- Asterisks appearing in lieu of figures indicate that the amounts are less than $50,000 or less than .05 percent.
- The abbreviation "FFRDC's" appearing in statistical tables refers to federally funded research and development centers.
- The Agency for International Development is included within the International Development Cooperation Agency.
- The Bonneville Power Administration, within the Department of the Interior; the Bureau of Alcohol, Tobacco, and Firearms, within the Department of Treasury; the Patent and Trademark Office, within the Department of Commerce; the Community Services Administration; and the Office of Personnel Management no longer fund R&D projects and have been omitted from this volume.
- In tables showing extramural performers, obligations of the Department of Agriculture to agricultural experiment stations are included within obligations to universities and colleges.
- Defense Agencies within the Department of Defense include the Defense Advanced Research Projects Agency, the Defense Nuclear Agency, the Defense Communications Agency, the Defense Mapping Agency, the Defense Logistics Agency, the Uniformed Services University of the Health Sciences, and technical support, Joint Chiefs of Staff/Office of the Secretary of Defense.
- The Office of Legal Policy within the Department of Justice replaces the Office of the Attorney General.
- R&D data reported by the National Aeronautics and Space Administration are in terms of budget plan rather than obligations.
- The historical tables for Volume XXXIII, providing R&D data for 1975 through 1985 (C-113 through C-133), are not comparable with totals for those years in appendix tables issued to accompany earlier *Federal Funds* reports. Some prior-year changes occur almost every year, thus changing totals in many categories.

For trend comparisons, use only these tables, appendix C, for Volume XXXIII. Do not use the earlier tables in the *Federal Funds* series.

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TABLE C-1. SUMMARY OF FEDERAL FUNDS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT: FISCAL YEARS 1983, 1984, AND 1985

(MILLIONS OF DOLLARS)

ITEM	ACTUAL, 1983	ESTIMATES 1984	% CHG 1983-1984	1985	% CHG 1984-1985
TOTAL OUTLAYS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT	37,959.4	44,786.9	18.0%	50,832.7	13.5%
RESEARCH AND DEVELOPMENT	36,659.4	43,230.8	17.9	49,038.8	13.4
R&D PLANT	1,299.9	1,556.1	19.7	1,793.9	15.3
TOTAL OBLIGATIONS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT	40,009.6	46,554.9	16.4	54,072.4	16.1
RESEARCH AND DEVELOPMENT	38,711.5	44,835.8	15.8	52,253.6	16.5
PERFORMERS:					
FEDERAL INTRAMURAL 1/	10,581.9	12,287.2	16.1	13,387.6	9.0
INDUSTRIAL FIRMS	17,147.8	20,544.6	19.9	26,050.0	26.7
FFRDCS ADMINISTERED BY INDUSTRIAL FIRMS	1,501.2	1,607.1	7.1	1,687.7	5.0
UNIVERSITIES AND COLLEGES	4,966.4	5,567.0	12.1	5,958.0	7.0
FFRDCS ADMINISTERED BY UNIVERSITIES AND COLLEGES	2,265.8	2,286.1	.9	2,467.6	7.9
OTHER NONPROFIT INSTITUTIONS	1,241.6	1,492.4	20.2	1,523.3	2.1
FFRDCS ADMINISTERED BY NONPROFIT INSTITUTIONS	581.3	628.7	8.2	705.2	12.2
STATE AND LOCAL GOVERNMENTS	186.0	210.5	13.2	208.1	-1.1
FOREIGN	239.5	192.3	-19.7	266.3	38.5
RESEARCH	14,253.5	15,108.3	6.0	16,034.2	6.1
PERFORMERS:					
FEDERAL INTRAMURAL 1/	4,710.3	4,981.5	5.8	5,263.8	5.7
INDUSTRIAL FIRMS	2,152.6	2,120.2	-1.5	2,289.2	8.0
FFRDCS ADMINISTERED BY INDUSTRIAL FIRMS	522.7	481.5	-7.9	522.6	8.5
UNIVERSITIES AND COLLEGES	4,468.0	5,006.2	12.0	5,322.6	6.3
FFRDCS ADMINISTERED BY UNIVERSITIES AND COLLEGES	1,211.6	1,276.7	5.4	1,330.6	4.2
OTHER NONPROFIT INSTITUTIONS	836.9	881.8	5.4	909.8	3.2
FFRDCS ADMINISTERED BY NONPROFIT INSTITUTIONS	85.2	81.8	-3.9	87.5	7.0
STATE AND LOCAL GOVERNMENTS	136.7	152.5	11.5	150.9	-1.1
FOREIGN	129.6	126.2	-2.6	157.3	24.7
FIELDS OF SCIENCE:					
LIFE SCIENCES	5,177.9	5,749.1	11.0	5,981.4	4.0
PSYCHOLOGY	240.9	264.0	9.6	295.3	11.9
PHYSICAL SCIENCES	2,891.4	3,002.6	3.8	3,143.2	4.7
ENVIRONMENTAL SCIENCES	1,251.2	1,279.3	2.2	1,336.2	4.4
MATHEMATICS AND COMPUTER SCIENCES	419.4	446.2	6.4	579.2	29.8
ENGINEERING	3,517.0	3,551.8	1.0	3,845.5	8.3
SOCIAL SCIENCES	435.3	481.5	10.6	473.1	-1.7
OTHER SCIENCES, NEC	320.4	333.9	4.2	380.3	13.9
BASIC RESEARCH	6,260.1	6,981.4	11.5	7,637.6	9.4
PERFORMERS:					
FEDERAL INTRAMURAL 1/	1,689.8	1,868.2	10.6	2,036.2	9.0
INDUSTRIAL FIRMS	305.7	346.9	13.5	398.5	14.9
FFRDCS ADMINISTERED BY INDUSTRIAL FIRMS	83.0	89.5	7.8	105.5	18.0
UNIVERSITIES AND COLLEGES	3,112.3	3,502.1	12.5	3,833.9	9.5
FFRDCS ADMINISTERED BY UNIVERSITIES AND COLLEGES	591.2	652.4	10.4	712.8	9.2
OTHER NONPROFIT INSTITUTIONS	409.6	454.4	10.9	480.9	5.8
FFRDCS ADMINISTERED BY NONPROFIT INSTITUTIONS	8.0	7.9	-1.2	8.5	7.5
STATE AND LOCAL GOVERNMENTS	32.1	29.1	-9.4	31.9	9.7
FOREIGN	28.5	30.6	7.3	29.5	-3.5
FIELDS OF SCIENCE:					
LIFE SCIENCES	2,891.3	3,242.9	12.2	3,455.4	6.6
PSYCHOLOGY	92.9	109.1	17.4	116.8	7.1
PHYSICAL SCIENCES	1,587.2	1,751.1	10.3	1,958.2	11.8
ENVIRONMENTAL SCIENCES	580.1	636.4	9.7	707.6	11.2
MATHEMATICS AND COMPUTER SCIENCES	208.1	228.2	9.6	292.2	28.0
ENGINEERING	689.5	784.7	13.8	866.8	10.5
SOCIAL SCIENCES	137.7	150.0	8.9	158.5	5.7
OTHER SCIENCES, NEC	73.3	78.6	7.3	82.1	4.5
APPLIED RESEARCH	7,993.4	8,127.3	1.7	8,396.6	3.3
PERFORMERS:					
FEDERAL INTRAMURAL 1/	3,020.4	3,113.3	3.1	3,227.6	3.7
INDUSTRIAL FIRMS	1,846.9	1,773.2	-4.0	1,890.8	6.6
FFRDCS ADMINISTERED BY INDUSTRIAL FIRMS	439.7	392.0	-10.8	417.0	6.4
UNIVERSITIES AND COLLEGES	1,395.6	1,504.1	11.0	1,488.8	-1.0
FFRDCS ADMINISTERED BY UNIVERSITIES AND COLLEGES	620.5	624.3	.6	617.8	-1.0
OTHER NONPROFIT INSTITUTIONS	427.3	427.4	*	428.9	.3
FFRDCS ADMINISTERED BY NONPROFIT INSTITUTIONS	77.1	73.9	-4.2	79.0	6.9
STATE AND LOCAL GOVERNMENTS	104.7	123.4	17.9	119.0	-3.6
FOREIGN	101.1	95.6	-5.4	127.6	33.7
FIELDS OF SCIENCE:					
LIFE SCIENCES	2,286.6	2,506.2	9.6	2,526.1	.8
PSYCHOLOGY	147.9	154.9	4.7	178.5	15.3
PHYSICAL SCIENCES	1,304.3	1,251.5	-4.0	1,184.9	-5.3
ENVIRONMENTAL SCIENCES	671.2	642.9	-4.2	628.6	-2.2
MATHEMATICS AND COMPUTER SCIENCES	211.3	218.0	3.2	287.1	31.7
ENGINEERING	2,827.5	2,767.1	-2.1	2,978.7	7.6
SOCIAL SCIENCES	297.6	331.5	11.4%	314.6	-5.1%
OTHER SCIENCES, NEC	247.1	295.2	3.3	298.1	16.8

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TABLE C-1. SUMMARY OF FEDERAL FUNDS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT: FISCAL YEARS 1983, 1984, AND 1985

(MILLIONS OF DOLLARS)

- CONTINUED

ITEM	ACTUAL, 1983	ESTIMATES			
		1984	% CHG 1983-1984	1985	% CHG 1984-1985
DEVELOPMENT	24,458.0	29,727.5	21.5%	36,219.4	21.8%
PERFORMERS:					
FEDERAL INTRAMURAL 1/	5,871.7	7,305.7	24.4	8,123.8	11.2
INDUSTRIAL FIRMS	14,995.2	18,444.4	23.0	23,760.7	28.8
FFRDCS ADMINISTERED BY INDUSTRIAL FIRMS	978.5	1,125.6	15.0	1,165.1	3.5
UNIVERSITIES AND COLLEGES	498.5	560.8	12.5	635.4	13.3
FFRDCS ADMINISTERED BY UNIVERSITIES AND COLLEGES	1,054.2	1,009.4	-4.3	1,137.0	12.6
OTHER NONPROFIT INSTITUTIONS	404.7	610.6	50.9	613.5	.5
FFRDCS ADMINISTERED BY NONPROFIT INSTITUTIONS	496.1	544.9	10.2	617.6	12.9
STATE AND LOCAL GOVERNMENTS	49.3	58.0	17.8	57.3	-1.3
FOREIGN	109.9	64.1	-39.9	109.0	64.9
R&D PLANT	1,298.1	1,719.1	32.4	1,818.8	5.8
PERFORMERS SUPPORTED:					
FEDERAL INTRAMURAL	393.9	585.5	48.7	455.9	-22.1
INDUSTRIAL FIRMS	260.3	408.2	56.5	484.4	18.7
FFRDCS ADMINISTERED BY INDUSTRIAL FIRMS	166.4	190.2	14.3	223.1	17.3
UNIVERSITIES AND COLLEGES	32.1	52.3	63.0	61.5	17.6
FFRDCS ADMINISTERED BY UNIVERSITIES AND COLLEGES	353.0	358.0	1.4	504.1	40.8
OTHER NONPROFIT INSTITUTIONS	82.1	116.9	42.4	64.1	-45.2
FFRDCS ADMINISTERED BY NONPROFIT INSTITUTIONS	7.9	3.7	-53.5	6.3	70.9
FOREIGN	1.8	4.4	142.4	19.5	343.8

1/ COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS ARE COVERED AS WELL AS ACTUAL INTRAMURAL PERFORMANCE.

* INDICATES AMOUNT LESS THAN $50,000.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-2. FEDERAL FUNDS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1983, 1984, AND 1985

(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	OBLIGATIONS			OUTLAYS		
	1983	ESTIMATES 1984	ESTIMATES 1985	1983	ESTIMATES 1984	ESTIMATES 1985
TOTAL, ALL AGENCIES	40,009.6	46,554.9	54,072.4	37,959.4	44,786.9	50,832.7
DEPARTMENTS						
DEPARTMENT OF AGRICULTURE, TOTAL	881.5	925.4	926.7	858.8	909.1	919.3
AGRICULTURAL COOPERATIVE SERVICE	2.1	2.2	1.4	2.1	2.2	1.4
AGRICULTURAL MARKETING SERVICE	1.4	1.5	-	.6	1.5	-
AGRICULTURAL RESEARCH SERVICE	466.8	495.9	483.0	469.4	486.8	497.5
COOPERATIVE STATE RESEARCH SERVICE	242.3	247.7	266.8	220.4	243.0	244.9
ECONOMIC RESEARCH SERVICE	38.8	44.3	47.5	36.8	43.1	46.7
FOREST SERVICE	108.1	109.0	104.7	111.1	108.2	104.5
HUMAN NUTRITION INFORMATION SERVICE	8.2	6.1	7.5	5.8	7.9	7.6
OFFICE OF INTERNATIONAL COOPERATION AND DEVELOPMENT	5.3	9.5	6.3	4.1	7.2	7.1
OFFICE OF TRANSPORTATION	.8	1.0	1.0	.8	1.0	1.0
STATISTICAL REPORTING SERVICE	7.6	8.2	8.5	7.6	8.2	8.5
DEPARTMENT OF COMMERCE, TOTAL	335.7	367.3	282.4	335.2	359.2	287.3
BUREAU OF THE CENSUS	4.3	4.5	5.0	4.3	4.2	5.0
ECONOMIC DEVELOPMENT ADMINISTRATION	5.3	5.3	-	5.3	5.3	-
NATIONAL BUREAU OF STANDARDS	95.7	103.2	103.0	94.0	96.3	108.0
NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION	222.0	244.3	165.2	222.0	244.3	165.2
NATIONAL TELECOMMUNICATIONS & INFORMATION ADMIN	8.3	8.7	8.5	9.6	8.5	8.5
OFFICE OF THE SECRETARY	*	1.3	.6	*	.5	.5
DEPARTMENT OF DEFENSE, TOTAL	23,305.3	27,987.1	34,511.0	21,373.5	26,080.3	31,472.9
DEPARTMENT OF THE ARMY	4,024.4	4,528.9	5,198.8	3,848.5	4,257.8	4,821.6
MILITARY FUNCTIONS	3,995.7	4,500.6	5,164.8	3,819.8	4,229.6	4,788.6
MILITARY CONSTRUCTION	20.5	44.2	37.4	17.2	25.1	30.0
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	142.8	193.6	187.8	144.3	173.5	179.6
RDT&E APPROPRIATION	3,831.9	4,262.8	4,938.1	3,658.0	4,030.5	4,579.0
SPECIAL FOREIGN CURRENCY PROGRAM	.5	*	1.5	.3	.5	*
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	28.7	28.2	34.0	28.7	28.2	33.0
DEPARTMENT OF THE NAVY	6,209.9	7,766.9	9,898.1	6,023.5	7,007.3	8,858.8
MILITARY CONSTRUCTION	38.4	114.8	62.2	35.7	43.3	87.3
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	133.0	149.1	150.7	132.6	148.7	150.3
RDT&E APPROPRIATION	6,038.5	7,500.0	9,683.8	5,853.9	6,815.3	8,620.0
SPECIAL FOREIGN CURRENCY PROGRAM	-	3.0	1.4	1.3	-	1.2
DEPARTMENT OF THE AIR FORCE	10,951.3	12,891.6	14,836.6	9,640.9	12,347.3	14,111.8
MILITARY CONSTRUCTION	85.4	82.1	85.6	53.3	75.8	81.1
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	414.8	437.6	462.6	405.9	428.2	452.6
RDT&E APPROPRIATION	10,451.1	12,371.9	14,288.4	9,181.7	11,843.3	13,578.1
DEFENSE AGENCIES	2,058.1	2,747.1	4,518.7	1,817.3	2,412.1	3,626.8
RDT&E APPROPRIATION	2,058.1	2,746.3	4,518.5	1,817.3	2,412.1	3,626.5
SPECIAL FOREIGN CURRENCY PROGRAM	-	.7	.2	-	-	.3
DIRECTOR OF TEST & EVALUATION, DEFENSE	61.6	52.7	58.8	43.3	55.8	53.9
DEPARTMENT OF EDUCATION	111.7	131.4	115.0	111.5	134.7	126.3
DEPARTMENT OF ENERGY	5,294.4	5,770.6	6,146.7	5,641.9	5,911.8	6,027.3
DEPARTMENT OF HEALTH AND HUMAN SERVICES, TOTAL	4,470.4	4,921.9	4,967.9	4,118.6	4,567.2	4,923.7
ALCOHOL, DRUG ABUSE & MENTAL HEALTH ADMINISTRATION	344.0	347.9	355.6	289.8	297.6	339.1
CENTERS FOR DISEASE CONTROL	78.2	83.5	84.0	80.4	82.1	86.4
FOOD & DRUG ADMINISTRATION	102.7	93.3	81.8	75.6	91.5	93.2
HEALTH CARE FINANCING ADMINISTRATION	30.2	31.0	35.0	30.2	31.0	35.0
HEALTH RESOURCES AND SERVICES ADMIN	13.3	17.8	3.9	16.3	13.2	13.0
HUMAN DEVELOPMENT SERVICES	23.4	19.8	7.0	22.3	20.5	15.6
NATIONAL INSTITUTES OF HEALTH	3,706.8	4,281.9	4,358.5	3,562.9	3,989.0	4,299.8
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	16.6	19.2	17.4	16.9	17.5	18.0
OFFICE OF THE SECRETARY	14.4	10.0	8.0	14.4	10.0	8.0
SOCIAL SECURITY ADMINISTRATION	10.8	17.6	16.7	9.6	14.9	15.6
DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT	32.1	29.0	30.9	30.9	31.5	31.8
DEPARTMENT OF THE INTERIOR, TOTAL	384.9	427.6	369.2	412.7	421.7	375.5
BUREAU OF LAND MANAGEMENT	3.9	4.1	3.5	3.9	4.1	3.5
BUREAU OF MINES	88.6	109.9	68.9	102.0	97.6	75.0
BUREAU OF RECLAMATION	10.0	10.8	11.5	11.1	12.2	11.5
GEOLOGICAL SURVEY	158.4	171.1	154.9	171.4	171.6	154.4
MINERAL MANAGEMENT SERVICE	1.5	1.5	1.8	1.3	1.3	1.7
NATIONAL PARK SERVICE	13.7	14.0	14.5	13.7	14.0	14.5
OFFICE OF THE SECRETARY	7.4	1.2	-	1.3	7.2	.8
OFFICE OF SURFACE MINING RECLAMATION AND ENFORCEMENT	1.5	1.0	3.0	1.5	1.0	3.0
OFFICE OF WATER RESEARCH & TECHNOLOGY	2.2	4.2	.5	8.3	4.6	2.9
UNITED STATES FISH AND WILDLIFE SERVICE	97.7	109.9	110.6	98.3	108.2	108.3

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TABLE C-2. FEDERAL FUNDS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1983, 1984, AND 1985

(MILLIONS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	OBLIGATIONS			OUTLAYS		
	1983	ESTIMATES		1983	ESTIMATES	
		1984	1985		1984	1985
DEPARTMENT OF JUSTICE, TOTAL	31.4	36.6	23.0	27.6	34.7	30.2
DRUG ENFORCEMENT ADMINISTRATION	2.5	2.6	2.3	2.5	2.6	2.3
FEDERAL BUREAU OF INVESTIGATION	2.5	4.7	1.6	1.9	3.8	3.9
FEDERAL PRISON SYSTEM	1.7	1.6	1.5	1.7	1.6	1.5
IMMIGRATION AND NATURALIZATION SERVICE	.6	1.0	.4	.2	1.1	.4
OFFICE OF JUSTICE ASSISTANCE, RESEARCH, AND STATISTICS	23.8	26.2	17.1	21.1	25.3	22.4
OFFICE OF LEGAL POLICY	.3	.5	.1	.2	.2	.1
DEPARTMENT OF LABOR, TOTAL	19.9	18.2	19.0	16.8	18.1	19.3
BUREAU OF LABOR STATISTICS	.7	.5	.6	.7	.5	.6
EMPLOYMENT STANDARDS ADMINISTRATION	1.4	.9	1.0	1.3	.9	.8
EMPLOYMENT AND TRAINING ADMINISTRATION	9.0	6.9	7.0	6.0	7.0	7.7
LABOR-MANAGEMENT SERVICES ADMINISTRATION	.9	1.9	2.5	.9	1.9	2.5
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION	5.3	5.1	5.1	5.3	5.1	5.1
OFFICE OF THE SECRETARY	1.6	1.7	1.8	1.5	1.7	1.8
PENSION BENEFIT GUARANTEE CORPORATION	1.1	1.1	1.0	1.1	1.0	.9
DEPARTMENT OF STATE, TOTAL	1.5	1.6	1.7	1.5	1.6	1.7
DEPARTMENTAL FUNDS	1.5	1.6	1.7	1.5	1.6	1.7
DEPARTMENT OF TRANSPORTATION, TOTAL	469.6	538.4	505.7	282.3	462.4	499.0
COAST GUARD	19.6	22.5	23.5	19.6	22.5	23.5
FEDERAL AVIATION ADMINISTRATION	147.6	301.6	287.3	99.5	213.0	276.0
FEDERAL HIGHWAY ADMINISTRATION	90.4	94.8	99.5	32.5	45.0	48.5
FEDERAL RAILROAD ADMINISTRATION	16.5	31.6	15.7	18.5	22.0	18.5
MARITIME ADMINISTRATION	15.0	12.2	10.0	13.5	18.4	11.5
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION	52.5	57.3	63.4	51.1	57.8	60.8
OFFICE OF THE SECRETARY	4.9	5.4	6.8	4.0	6.9	5.9
RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION	6.2	5.2	2.6	7.1	5.0	2.9
URBAN MASS TRANSPORTATION ADMINISTRATION	57.0	47.8	37.0	36.5	71.8	51.3
DEPARTMENT OF THE TREASURY, TOTAL	15.6	16.5	28.1	15.6	16.7	28.1
BUREAU OF ENGRAVING AND PRINTING	3.9	5.1	5.8	3.9	5.1	5.8
INTERNAL REVENUE SERVICE	8.0	8.2	18.9	8.0	8.2	18.9
OFFICE OF PROTECTIVE RESEARCH	.3	.2	.5	.4	.4	.5
UNITED STATES CUSTOMS SERVICE	3.4	3.0	2.9	3.4	3.0	2.9
OTHER AGENCIES						
ADVISORY COMMISSION ON INTERGOVERNMENTAL RELATIONS	2.1	2.1	2.2	1.9	2.0	2.1
AGENCY FOR INTERNATIONAL DEVELOPMENT	232.0	254.9	377.6	225.2	305.4	380.8
APPALACHIAN REGIONAL COMMISSION	.2	.4	-	.2	.4	-
CONSUMER PRODUCT SAFETY COMMISSION	.5	1.0	.7	.4	.9	.7
ENVIRONMENTAL PROTECTION AGENCY	240.7	250.0	280.9	312.5	251.7	277.2
FEDERAL COMMUNICATIONS COMMISSION	1.3	1.5	1.4	1.3	1.5	1.4
FEDERAL EMERGENCY MANAGEMENT AGENCY	3.3	3.3	6.2	3.2	3.1	5.9
FEDERAL HOME LOAN BANK BOARD	3.0	3.0	2.9	3.0	3.0	2.9
FEDERAL TRADE COMMISSION	1.4	1.6	1.7	1.4	1.6	1.7
GENERAL SERVICES ADMINISTRATION	.5	1.0	.5	.5	1.0	.5
INTERNATIONAL TRADE COMMISSION	4.7	4.6	5.5	4.7	4.6	5.5
LIBRARY OF CONGRESS	7.4	6.3	6.5	6.7	7.0	6.8
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	2,762.9	3,044.4	3,499.4	2,646.2	3,600.3	3,477.3
NATIONAL SCIENCE FOUNDATION	1,062.2	1,247.6	1,426.6	994.7	1,143.6	1,378.2
NUCLEAR REGULATORY COMMISSION	207.3	190.9	168.4	244.0	198.7	179.1
SMITHSONIAN INSTITUTION	57.0	64.3	70.5	57.3	60.2	65.3
TENNESSEE VALLEY AUTHORITY	63.3	73.6	81.0	63.7	77.7	81.0
UNITED STATES ARMS CONTROL AND DISARMAMENT AGENCY	1.0	1.5	1.5	1.0	1.5	1.5
UNITED STATES INFORMATION AGENCY	*	1.5	4.0	*	1.5	4.0
VETERANS ADMINISTRATION	171.9	228.1	207.6	164.7	176.2	218.3

* INDICATES AMOUNT LESS THAN $50,000.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-3. FEDERAL FUNDS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1983, 1984, AND 1985

(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	OBLIGATIONS			OUTLAYS		
	1983	ESTIMATES 1984	ESTIMATES 1985	1983	ESTIMATES 1984	ESTIMATES 1985
TOTAL, ALL AGENCIES	38,711.5	44,835.8	52,253.6	36,659.4	43,230.8	49,038.8
DEPARTMENTS						
DEPARTMENT OF AGRICULTURE, TOTAL	847.6	871.9	898.9	826.0	867.6	880.6
AGRICULTURAL COOPERATIVE SERVICE	2.1	2.2	1.4	2.1	2.2	1.4
AGRICULTURAL MARKETING SERVICE	1.4	1.5	-	.6	1.5	-
AGRICULTURAL RESEARCH SERVICE	443.4	452.9	466.9	438.7	451.8	467.5
COOPERATIVE STATE RESEARCH SERVICE	232.3	237.7	256.8	219.6	237.0	236.9
ECONOMIC RESEARCH SERVICE	38.8	44.3	47.5	36.8	43.1	46.7
FOREST SERVICE	107.7	108.6	103.1	109.8	107.7	103.8
HUMAN NUTRITION INFORMATION SERVICE	8.2	6.1	7.5	5.8	7.9	7.6
OFFICE OF INTERNATIONAL COOPERATION AND DEVELOPMENT	5.3	9.5	6.3	4.1	7.2	7.1
OFFICE OF TRANSPORTATION	.8	1.0	1.0	.8	1.0	1.0
STATISTICAL REPORTING SERVICE	7.6	8.2	8.5	7.6	8.2	8.5
DEPARTMENT OF COMMERCE, TOTAL	335.0	360.0	270.6	334.5	352.4	274.9
BUREAU OF THE CENSUS	4.3	4.5	5.0	4.3	4.2	5.0
ECONOMIC DEVELOPMENT ADMINISTRATION	5.3	5.3	-	5.3	5.3	-
NATIONAL BUREAU OF STANDARDS	95.0	96.0	91.2	93.3	89.6	95.6
NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION	222.0	244.3	165.2	222.0	244.3	165.2
NATIONAL TELECOMMUNICATIONS & INFORMATION ADMIN	8.3	8.7	8.5	9.6	8.5	8.5
OFFICE OF THE SECRETARY	*	1.3	.6	*	.5	.5
DEPARTMENT OF DEFENSE, TOTAL	22,992.8	27,540.0	34,142.1	21,105.8	25,744.9	31,106.3
DEPARTMENT OF THE ARMY	3,998.1	4,475.5	5,153.8	3,827.0	4,225.7	4,783.7
MILITARY FUNCTIONS	3,969.4	4,447.2	5,119.8	3,798.3	4,197.5	4,750.7
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	142.8	193.6	187.8	144.3	173.5	179.6
RDT&E APPROPRIATION	3,826.1	4,253.6	4,930.5	3,653.7	4,023.5	4,571.1
SPECIAL FOREIGN CURRENCY PROGRAM	.5	*	1.5	.3	.5	*
CIVIL FUNCTIONS (CORPS OF ENGINEERS)	28.7	28.2	34.0	28.7	28.2	33.0
DEPARTMENT OF THE NAVY	6,068.2	7,526.0	9,715.4	5,886.8	6,848.2	8,664.8
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	133.0	149.1	150.7	132.6	148.7	150.3
RDT&E APPROPRIATION	5,935.2	7,373.9	9,563.3	5,752.9	6,699.4	8,513.3
SPECIAL FOREIGN CURRENCY PROGRAM	-	3.0	1.4	1.3	-	1.2
DEPARTMENT OF THE AIR FORCE	10,812.6	12,756.4	14,700.7	9,537.2	12,220.8	13,982.4
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D	414.8	437.6	462.6	405.9	428.2	452.6
RDT&E APPROPRIATION	10,397.8	12,318.8	14,238.1	9,131.3	11,792.6	13,529.8
DEFENSE AGENCIES	2,052.3	2,729.5	4,513.4	1,811.5	2,394.5	3,621.2
RDT&E APPROPRIATION	2,052.3	2,728.7	4,513.2	1,811.5	2,394.5	3,621.2
SPECIAL FOREIGN CURRENCY PROGRAM	-	.7	.2	-	-	.3
DIRECTOR OF TEST & EVALUATION, DEFENSE	61.6	52.7	58.8	43.3	55.8	53.9
DEPARTMENT OF EDUCATION	111.7	131.4	112.3	111.5	134.7	123.7
DEPARTMENT OF ENERGY	4,536.7	4,825.6	4,962.3	4,817.5	4,954.5	4,923.0
DEPARTMENT OF HEALTH AND HUMAN SERVICES, TOTAL	4,352.5	4,864.3	4,954.0	4,092.0	4,534.3	4,880.5
ALCOHOL, DRUG ABUSE & MENTAL HEALTH ADMINISTRATION	302.2	346.0	355.6	288.8	296.3	337.8
CENTERS FOR DISEASE CONTROL	78.2	83.5	84.0	80.4	82.1	86.4
FOOD & DRUG ADMINISTRATION	74.2	79.3	81.0	73.5	78.5	80.2
HEALTH CARE FINANCING ADMINISTRATION	30.2	31.0	35.0	30.2	31.0	35.0
HEALTH RESOURCES AND SERVICES ADMIN	13.3	17.8	3.9	16.3	13.2	13.0
HUMAN DEVELOPMENT SERVICES	23.4	19.8	7.0	22.3	20.5	15.6
NATIONAL INSTITUTES OF HEALTH	3,789.2	4,240.2	4,345.4	3,539.5	3,970.4	4,270.9
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	16.6	19.2	17.4	16.9	17.5	18.0
OFFICE OF THE SECRETARY	14.4	10.0	8.0	14.4	10.0	8.0
SOCIAL SECURITY ADMINISTRATION	10.8	17.6	16.7	9.6	14.9	15.6
DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT	32.1	29.0	32.9	30.9	31.4	31.8
DEPARTMENT OF THE INTERIOR, TOTAL	382.5	421.8	369.0	410.3	416.9	375.3
BUREAU OF LAND MANAGEMENT	3.9	4.1	3.5	3.9	4.1	3.9
BUREAU OF MINES	88.5	109.8	68.9	101.9	97.5	75.0
BUREAU OF RECLAMATION	10.0	10.8	11.5	11.1	12.2	11.5
GEOLOGICAL SURVEY	157.0	169.8	154.7	169.9	170.3	154.1
MINERAL MANAGEMENT SERVICE	1.5	1.5	1.8	1.3	1.3	1.7
NATIONAL PARK SERVICE	13.7	14.0	14.5	13.7	14.0	14.5
OFFICE OF THE SECRETARY	7.4	1.2	-	1.3	7.2	.8
OFFICE OF SURFACE MINING RECLAMATION AND ENFORCEMENT	1.5	1.0	3.0	1.5	1.0	3.0
OFFICE OF WATER RESEARCH & TECHNOLOGY	2.2	4.2	.5	8.3	4.6	2.9
UNITED STATES FISH AND WILDLIFE SERVICE	96.7	105.5	110.6	97.5	104.0	108.3

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TABLE C-3. FEDERAL FUNDS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1983, 1984, AND 1985

(MILLIONS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	OBLIGATIONS			OUTLAYS		
	1983	ESTIMATES 1984	ESTIMATES 1985	1983	ESTIMATES 1984	ESTIMATES 1985
DEPARTMENT OF JUSTICE, TOTAL	31.4	36.6	23.0	27.6	34.7	30.2
DRUG ENFORCEMENT ADMINISTRATION	2.5	2.6	2.3	2.5	2.6	2.3
FEDERAL BUREAU OF INVESTIGATION	2.5	4.7	1.6	1.9	3.8	3.9
FEDERAL PRISON SYSTEM	1.7	1.6	1.5	1.7	1.6	1.5
IMMIGRATION AND NATURALIZATION SERVICE	.6	1.0	.4	.2	1.1	.4
OFFICE OF JUSTICE ASSISTANCE, RESEARCH, AND STATISTICS	23.8	26.2	17.1	21.1	25.3	22.6
OFFICE OF LEGAL POLICY	.3	.5	.1	.2	.2	.1
DEPARTMENT OF LABOR, TOTAL	19.9	18.2	19.0	16.8	18.1	19.3
BUREAU OF LABOR STATISTICS	.7	.5	.6	.7	.5	.6
EMPLOYMENT STANDARDS ADMINISTRATION	1.4	.9	1.0	1.3	.9	.8
EMPLOYMENT AND TRAINING ADMINISTRATION	9.0	6.9	7.0	6.0	7.0	7.7
LABOR-MANAGEMENT SERVICES ADMINISTRATION	.9	1.9	2.5	.9	1.9	2.5
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION	5.3	5.1	5.1	5.3	5.1	5.1
OFFICE OF THE SECRETARY	1.5	1.7	1.8	1.5	1.7	1.9
PENSION BENEFIT GUARANTEE CORPORATION	1.1	1.1	1.0	1.1	1.0	.9
DEPARTMENT OF STATE, TOTAL	1.5	1.6	1.7	1.5	1.6	1.7
DEPARTMENTAL FUNDS	1.5	1.6	1.7	1.5	1.6	1.7
DEPARTMENT OF TRANSPORTATION, TOTAL	347.7	515.9	495.2	272.4	454.3	483.0
COAST GUARD	19.6	22.5	23.5	19.6	22.5	23.5
FEDERAL AVIATION ADMINISTRATION	126.2	279.6	277.3	90.3	206.0	240.5
FEDERAL HIGHWAY ADMINISTRATION	50.4	54.8	59.5	32.5	45.0	48.5
FEDERAL RAILROAD ADMINISTRATION	16.5	31.6	15.7	18.3	21.4	18.5
MARITIME ADMINISTRATION	15.0	12.2	10.0	13.5	18.4	11.5
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION	52.0	56.8	62.9	50.6	57.3	60.3
OFFICE OF THE SECRETARY	4.9	5.4	6.8	4.0	6.9	5.9
RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION	6.2	5.2	2.6	7.1	5.0	2.9
URBAN MASS TRANSPORTATION ADMINISTRATION	57.0	47.8	37.0	36.5	71.8	51.3
DEPARTMENT OF THE TREASURY, TOTAL	15.6	16.4	28.1	15.5	16.6	28.1
BUREAU OF ENGRAVING AND PRINTING	3.9	5.1	5.8	3.9	5.1	5.8
INTERNAL REVENUE SERVICE	8.0	8.2	18.9	8.0	8.2	18.9
OFFICE OF PROTECTIVE RESEARCH	.3	.2	.5	.4	.4	.5
UNITED STATES CUSTOMS SERVICE	3.3	2.9	2.8	3.3	2.9	2.8
OTHER AGENCIES						
ADVISORY COMMISSION ON INTERGOVERNMENTAL RELATIONS	2.1	2.1	2.2	1.9	2.0	2.1
AGENCY FOR INTERNATIONAL DEVELOPMENT	227.3	249.2	366.3	212.8	286.5	357.2
APPALACHIAN REGIONAL COMMISSION	.2	.4	-	.2	.4	-
CONSUMER PRODUCT SAFETY COMMISSION	.5	1.0	.7	.5	.9	.7
ENVIRONMENTAL PROTECTION AGENCY	240.7	250.0	280.9	312.5	251.7	277.2
FEDERAL COMMUNICATIONS COMMISSION	1.3	1.5	1.4	1.3	1.5	1.4
FEDERAL EMERGENCY MANAGEMENT AGENCY	3.3	3.3	6.2	3.2	3.1	5.9
FEDERAL HOME LOAN BANK BOARD	3.0	3.0	2.9	3.0	3.0	2.9
FEDERAL TRADE COMMISSION	1.4	1.6	1.7	1.4	1.6	1.7
GENERAL SERVICES ADMINISTRATION	.5	1.0	.5	.5	1.0	.5
INTERNATIONAL TRADE COMMISSION	4.7	4.6	5.5	4.7	4.6	5.5
LIBRARY OF CONGRESS	7.4	6.3	6.5	6.7	7.0	6.8
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	2,661.6	2,888.9	3,339.4	2,538.0	3,461.8	3,314.3
NATIONAL SCIENCE FOUNDATION	1,062.0	1,238.5	1,414.0	991.8	1,135.5	1,366.9
NUCLEAR REGULATORY COMMISSION	207.3	190.9	168.4	244.0	198.7	179.1
SMITHSONIAN INSTITUTION	56.0	63.8	69.3	56.2	59.4	64.0
TENNESSEE VALLEY AUTHORITY	63.0	73.3	80.7	63.3	73.4	80.7
UNITED STATES ARMS CONTROL AND DISARMAMENT AGENCY	1.0	1.5	1.5	1.0	1.5	1.5
UNITED STATES INFORMATION AGENCY	*	1.5	4.0	*	1.5	4.0
VETERANS ADMINISTRATION	161.4	220.9	194.5	154.1	174.4	208.0

* INDICATES AMOUNT LESS THAN 150,000.

SOURCE. NATIONAL SCIENCE FOUNDATION

TABLE C-4. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND CHARACTER OF WORK: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	RESEARCH		DEVELOPMENT
		BASIC	APPLIED	
TOTAL, ALL AGENCIES	38,711,537	6,260,131	7,993,394	24,458,012
DEPARTMENTS				
DEPARTMENT OF AGRICULTURE, TOTAL	847,605	362,019	455,539	30,047
AGRICULTURAL COOPERATIVE SERVICE	2,145	-	2,145	-
AGRICULTURAL MARKETING SERVICE	1,416	-	1,147	269
AGRICULTURAL RESEARCH SERVICE	443,400	215,300	202,600	25,500
COOPERATIVE STATE RESEARCH SERVICE	232,287	98,809	133,478	-
ECONOMIC RESEARCH SERVICE	38,777	3,878	34,899	-
FOREST SERVICE	107,672	38,760	65,140	3,772
HUMAN NUTRITION INFORMATION SERVICE	8,200	-	8,200	-
OFFICE OF INTERNATIONAL COOPERATION AND DEVELOPMENT	5,299	2,314	2,524	421
OFFICE OF TRANSPORTATION	849	458	306	85
STATISTICAL REPORTING SERVICE	7,600	2,500	5,100	-
DEPARTMENT OF COMMERCE, TOTAL	334,992	19,221	265,620	50,151
BUREAU OF THE CENSUS	4,326	299	1,919	2,108
ECONOMIC DEVELOPMENT ADMINISTRATION	5,300	527	4,773	-
NATIONAL BUREAU OF STANDARDS	95,031	18,363	63,091	13,577
NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION	222,037	-	188,931	33,106
NATIONAL TELECOMMUNICATIONS & INFORMATION ADMIN	8,257	-	6,906	1,351
OFFICE OF THE SECRETARY	41	32	-	9
DEPARTMENT OF DEFENSE, TOTAL	22,992,789	785,620	2,437,029	19,770,140
DEPARTMENT OF THE ARMY	3,998,085	208,320	485,291	3,304,474
DEPARTMENT OF THE NAVY	6,068,206	305,400	521,600	5,241,206
DEPARTMENT OF THE AIR FORCE	10,812,616	164,200	524,200	10,124,216
DEFENSE AGENCIES	2,052,300	107,700	905,938	1,038,662
DIRECTOR OF TEST & EVALUATION, DEFENSE	61,582	-	-	61,582
DEPARTMENT OF EDUCATION	111,681	14,182	61,885	35,614
DEPARTMENT OF ENERGY	4,536,682	767,718	1,193,409	2,575,555
DEPARTMENT OF HEALTH AND HUMAN SERVICES, TOTAL	4,352,530	2,475,400	1,545,446	331,684
ALCOHOL, DRUG ABUSE & MENTAL HEALTH ADMINISTRATION	302,193	144,950	155,402	1,841
CENTERS FOR DISEASE CONTROL	78,164	-	78,164	-
FOOD & DRUG ADMINISTRATION	74,200	-	74,200	-
HEALTH CARE FINANCING ADMINISTRATION	30,208	-	30,208	-
HEALTH RESOURCES AND SERVICES ADMIN	13,256	800	10,203	2,253
HUMAN DEVELOPMENT SERVICES	23,444	-	6,871	16,573
NATIONAL INSTITUTES OF HEALTH	3,789,222	2,313,026	1,165,179	311,017
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	16,624	16,624	-	-
OFFICE OF THE SECRETARY	14,441	-	14,441	-
SOCIAL SECURITY ADMINISTRATION	10,778	-	10,778	-
DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT	32,090	-	11,299	20,791
DEPARTMENT OF THE INTERIOR, TOTAL	382,473	103,033	254,675	24,765
BUREAU OF LAND MANAGEMENT	3,851	-	1,974	1,877
BUREAU OF MINES	88,533	23,479	55,891	9,163
BUREAU OF RECLAMATION	10,018	99	8,749	1,170
GEOLOGICAL SURVEY	157,004	64,721	89,935	2,348
MINERAL MANAGEMENT SERVICE	1,500	-	1,500	-
NATIONAL PARK SERVICE	13,744	-	13,744	-
OFFICE OF THE SECRETARY	7,379	7,379	-	-
OFFICE OF SURFACE MINING RECLAMATION AND ENFORCEMENT	1,478	-	1,478	-
OFFICE OF WATER RESEARCH & TECHNOLOGY	2,218	455	756	1,007
UNITED STATES FISH AND WILDLIFE SERVICE	96,746	6,900	80,646	9,200
DEPARTMENT OF JUSTICE, TOTAL	31,376	3,640	17,060	10,676
DRUG ENFORCEMENT ADMINISTRATION	2,500	-	900	1,600
FEDERAL BUREAU OF INVESTIGATION	2,543	-	-	2,543
FEDERAL PRISON SYSTEM	1,690	-	1,290	400
IMMIGRATION AND NATURALIZATION SERVICE	589	-	300	289
OFFICE OF JUSTICE ASSISTANCE, RESEARCH, AND STATISTICS	23,804	3,640	14,370	5,794
OFFICE OF LEGAL POLICY	250	-	200	50
DEPARTMENT OF LABOR, TOTAL	19,877	5,263	12,680	1,934
BUREAU OF LABOR STATISTICS	665	-	665	-
EMPLOYMENT STANDARDS ADMINISTRATION	1,400	-	1,400	-
EMPLOYMENT AND TRAINING ADMINISTRATION	9,041	5,263	2,644	1,134
LABOR-MANAGEMENT SERVICES ADMINISTRATION	882	-	882	-
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION	5,264	-	5,264	-
OFFICE OF THE SECRETARY	1,525	-	1,525	-
PENSION BENEFIT GUARANTEE CORPORATION	1,100	-	300	800

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TABLE C-4. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND CHARACTER OF WORK: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

– CONTINUED

AGENCY AND SUBDIVISION	TOTAL	RESEARCH		DEVELOPMENT
		BASIC	APPLIED	
DEPARTMENT OF STATE, TOTAL	1,488	–	1,488	–
DEPARTMENTAL FUNDS	1,488	–	1,488	–
DEPARTMENT OF TRANSPORTATION, TOTAL	347,728	900	71,696	275,132
COAST GUARD	19,955	400	765	18,790
FEDERAL AVIATION ADMINISTRATION	126,200	–	12,500	113,700
FEDERAL HIGHWAY ADMINISTRATION	50,400	–	7,300	43,100
FEDERAL RAILROAD ADMINISTRATION	16,000	–	2,300	13,700
MARITIME ADMINISTRATION	15,000	500	5,700	8,800
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION	52,000	–	21,400	30,600
OFFICE OF THE SECRETARY	4,914	–	300	4,614
RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION	6,200	–	2,600	3,600
URBAN MASS TRANSPORTATION ADMINISTRATION	56,959	–	18,331	38,628
DEPARTMENT OF THE TREASURY, TOTAL	15,983	3,509	6,677	5,297
BUREAU OF ENGRAVING AND PRINTING	3,916	600	1,400	1,916
INTERNAL REVENUE SERVICE	8,033	2,909	4,985	139
OFFICE OF SECRETARY	327	–	292	45
UNITED STATES CUSTOMS SERVICE	3,297	–	–	3,297
OTHER AGENCIES				
ADVISORY COMMISSION ON INTERGOVERNMENTAL RELATIONS	2,110	–	2,110	–
AGENCY FOR INTERNATIONAL DEVELOPMENT	227,268	4,090	152,585	70,993
APPALACHIAN REGIONAL COMMISSION	247	–	247	–
CONSUMER PRODUCT SAFETY COMMISSION	533	–	320	213
ENVIRONMENTAL PROTECTION AGENCY	240,709	22,217	152,380	66,112
FEDERAL COMMUNICATIONS COMMISSION	1,332	–	1,332	–
FEDERAL EMERGENCY MANAGEMENT AGENCY	3,319	–	3,319	–
FEDERAL FARM LOAN BANK BOARD	3,038	–	3,038	–
FEDERAL TRADE COMMISSION	1,364	1,159	202	–
GENERAL SERVICES ADMINISTRATION	488	–	235	253
INTERNATIONAL TRADE COMMISSION	4,672	–	4,672	–
LIBRARY OF CONGRESS	7,857	331	1,006	6,520
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	2,661,379	617,013	927,787	1,116,799
NATIONAL SCIENCE FOUNDATION	1,061,299	999,136	62,824	–
NUCLEAR REGULATORY COMMISSION	207,295	–	207,295	–
SMITHSONIAN INSTITUTION	95,960	95,960	–	–
TENNESSEE VALLEY AUTHORITY	63,000	3,600	6,700	50,700
UNITED STATES ARMS CONTROL AND DISARMAMENT AGENCY	975	–	839	136
UNITED STATES INFORMATION AGENCY	7	–	7	–
VETERANS ADMINISTRATION	161,400	14,100	132,000	15,300

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-5. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND CHARACTER OF WORK: FISCAL YEAR 1984 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	RESEARCH		DEVELOPMENT
		BASIC	APPLIED	
TOTAL, ALL AGENCIES	44,835,777	6,981,031	8,127,270	29,727,476
DEPARTMENTS				
DEPARTMENT OF AGRICULTURE, TOTAL	871,942	386,442	485,594	29,906
AGRICULTURAL COOPERATIVE SERVICE	2,180	-	2,180	-
AGRICULTURAL MARKETING SERVICE	1,543	-	1,250	293
AGRICULTURAL RESEARCH SERVICE	452,900	232,500	194,900	25,500
COOPERATIVE STATE RESEARCH SERVICE	237,695	100,849	136,846	-
ECONOMIC RESEARCH SERVICE	44,329	4,433	39,896	-
FOREST SERVICE	108,885	41,250	64,090	3,295
HUMAN NUTRITION INFORMATION SERVICE	6,100	-	6,100	-
OFFICE OF INTERNATIONAL COOPERATION AND DEVELOPMENT	9,491	4,176	4,626	799
OFFICE OF TRANSPORTATION	989	534	356	99
STATISTICAL REPORTING SERVICE	8,200	2,700	5,500	-
DEPARTMENT OF COMMERCE, TOTAL	360,021	20,522	272,644	66,855
BUREAU OF THE CENSUS	4,450	414	1,907	2,129
ECONOMIC DEVELOPMENT ADMINISTRATION	5,300	527	4,773	-
NATIONAL BUREAU OF STANDARDS	95,984	19,184	63,107	13,693
NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION	244,323	-	194,567	49,766
NATIONAL TELECOMMUNICATIONS & INFORMATION ADMIN	8,654	-	7,594	1,060
OFFICE OF THE SECRETARY	1,300	397	696	207
DEPARTMENT OF DEFENSE, TOTAL	27,540,045	816,590	2,168,184	24,555,271
DEPARTMENT OF THE ARMY	4,475,457	209,190	464,157	3,802,110
DEPARTMENT OF THE NAVY	7,526,024	308,500	426,100	6,791,424
DEPARTMENT OF THE AIR FORCE	12,756,428	187,900	514,100	12,054,428
DEFENSE AGENCIES	2,729,484	111,000	763,827	1,854,657
DIRECTOR OF TEST & EVALUATION, DEFENSE	52,650	-	-	52,650
DEPARTMENT OF EDUCATION	131,420	12,351	75,015	44,054
DEPARTMENT OF ENERGY	4,825,576	841,671	1,231,733	2,752,172
DEPARTMENT OF HEALTH AND HUMAN SERVICES, TOTAL	4,164,292	2,793,052	1,705,911	365,329
ALCOHOL, DRUG ABUSE & MENTAL HEALTH ADMINISTRATION	345,963	165,353	178,417	2,193
CENTERS FOR DISEASE CONTROL	83,512	-	83,512	-
FOOD & DRUG ADMINISTRATION	79,300	-	79,300	-
HEALTH CARE FINANCING ADMINISTRATION	31,000	-	31,000	-
HEALTH RESOURCES AND SERVICES ADMIN	17,770	800	14,770	2,200
HUMAN DEVELOPMENT SERVICES	19,793	-	5,457	14,336
NATIONAL INSTITUTES OF HEALTH	4,240,193	2,607,744	1,286,349	346,100
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	19,155	19,155	-	-
OFFICE OF THE SECRETARY	10,000	-	9,500	500
SOCIAL SECURITY ADMINISTRATION	17,606	-	17,606	-
DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT	28,955	-	10,487	18,468
DEPARTMENT OF THE INTERIOR, TOTAL	421,425	124,667	276,330	20,828
BUREAU OF LAND MANAGEMENT	4,104	-	2,038	2,066
BUREAU OF MINES	109,819	45,469	59,261	5,089
BUREAU OF RECLAMATION	10,755	214	9,826	715
GEOLOGICAL SURVEY	169,805	69,866	96,345	3,594
MINERAL MANAGEMENT SERVICE	1,500	-	1,500	-
NATIONAL PARK SERVICE	14,000	-	14,000	-
OFFICE OF THE SECRETARY	1,155	1,155	-	-
OFFICE OF SURFACE MINING RECLAMATION AND ENFORCEMENT	970	-	970	-
OFFICE OF WATER RESEARCH & TECHNOLOGY	4,208	763	3,181	264
UNITED STATES FISH AND WILDLIFE SERVICE	105,509	7,200	89,209	9,100
DEPARTMENT OF JUSTICE, TOTAL	36,555	4,015	18,711	13,829
DRUG ENFORCEMENT ADMINISTRATION	2,600	-	800	1,800
FEDERAL BUREAU OF INVESTIGATION	4,702	-	-	4,702
FEDERAL PRISON SYSTEM	1,600	-	1,200	400
IMMIGRATION AND NATURALIZATION SERVICE	975	-	400	575
OFFICE OF JUSTICE ASSISTANCE, RESEARCH, AND STATISTICS	26,178	4,015	15,911	6,252
OFFICE OF LEGAL POLICY	500	-	400	100
DEPARTMENT OF LABOR, TOTAL	18,220	4,453	12,967	800
BUREAU OF LABOR STATISTICS	547	-	547	-
EMPLOYMENT STANDARDS ADMINISTRATION	935	-	935	-
EMPLOYMENT AND TRAINING ADMINISTRATION	6,937	4,453	2,484	-
LABOR-MANAGEMENT SERVICES ADMINISTRATION	1,926	-	1,926	-
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION	5,075	-	5,075	-
OFFICE OF THE SECRETARY	1,700	-	1,700	-
PENSION BENEFIT GUARANTEE CORPORATION	1,100	-	300	800

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TABLE C-5. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND CHARACTER OF WORK: FISCAL YEAR 1984 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	RESEARCH		DEVELOPMENT
		BASIC	APPLIED	
DEPARTMENT OF STATE, TOTAL	1,567	-	1,567	-
DEPARTMENTAL FUNDS	1,567	-	1,567	-
DEPARTMENT OF TRANSPORTATION, TOTAL	515,929	600	81,990	433,339
COAST GUARD	22,500	-	3,299	19,201
FEDERAL AVIATION ADMINISTRATION	279,600	-	18,900	260,700
FEDERAL HIGHWAY ADMINISTRATION	54,800	-	7,900	46,900
FEDERAL RAILROAD ADMINISTRATION	31,600	-	5,400	26,200
MARITIME ADMINISTRATION	12,200	600	4,100	7,500
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION	56,800	-	24,700	32,100
OFFICE OF THE SECRETARY	5,390	-	300	5,090
RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION	5,200	-	1,800	3,400
URBAN MASS TRANSPORTATION ADMINISTRATION	47,839	-	15,591	32,248
DEPARTMENT OF THE TREASURY, TOTAL	16,429	3,989	6,641	5,809
BUREAU OF ENGRAVING AND PRINTING	5,117	800	1,600	2,717
INTERNAL REVENUE SERVICE	8,232	3,189	4,891	152
OFFICE OF PROTECTIVE RESEARCH	190	-	150	40
UNITED STATES CUSTOMS SERVICE	2,900	-	-	2,900
OTHER AGENCIES				
ADVISORY COMMISSION ON INTERGOVERNMENTAL RELATIONS	2,064	-	2,064	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	249,167	2,719	167,900	78,548
APPALACHIAN REGIONAL COMMISSION	350	-	350	-
CONSUMER PRODUCT SAFETY COMMISSION	970	-	504	466
ENVIRONMENTAL PROTECTION AGENCY	249,987	22,689	155,201	72,097
FEDERAL COMMUNICATIONS COMMISSION	1,498	-	1,498	-
FEDERAL EMERGENCY MANAGEMENT AGENCY	3,300	-	3,300	-
FEDERAL HOME LOAN BANK BOARD	2,970	-	2,970	-
FEDERAL TRADE COMMISSION	1,558	1,334	224	-
GENERAL SERVICES ADMINISTRATION	1,001	30	307	644
INTERNATIONAL TRADE COMMISSION	4,584	-	4,584	-
LIBRARY OF CONGRESS	6,314	340	1,019	4,955
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	2,888,900	689,133	1,012,031	1,187,736
NATIONAL SCIENCE FOUNDATION	1,238,480	1,172,466	66,014	-
NUCLEAR REGULATORY COMMISSION	190,862	-	190,862	-
SMITHSONIAN INSTITUTION	63,758	63,758	-	-
TENNESSEE VALLEY AUTHORITY	73,300	5,000	8,000	60,300
UNITED STATES ARMS CONTROL AND DISARMAMENT AGENCY	1,535	-	1,465	70
UNITED STATES INFORMATION AGENCY	1,493	-	1,493	-
VETERANS ADMINISTRATION	220,900	15,200	189,700	16,000

SOURCE: NATIONAL SCIENCE FOUNDATION

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TABLE C-6. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND CHARACTER OF WORK: FISCAL YEAR 1985 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	RESEARCH		DEVELOPMENT
		BASIC	APPLIED	
TOTAL, ALL AGENCIES	32,253,607	7,637,587	8,396,633	36,219,387
DEPARTMENTS				
DEPARTMENT OF AGRICULTURE, TOTAL	898,941	419,727	449,981	29,233
AGRICULTURAL COOPERATIVE SERVICE	1,436	-	1,436	-
AGRICULTURAL RESEARCH SERVICE	442,900	240,100	201,200	25,600
COOPERATIVE STATE RESEARCH SERVICE	256,785	128,578	128,207	-
ECONOMIC RESEARCH SERVICE	47,480	4,748	42,732	-
FOREST SERVICE	103,070	40,200	59,840	3,030
HUMAN NUTRITION INFORMATION SERVICE	7,200	-	7,200	-
OFFICE OF INTERNATIONAL COOPERATION AND DEVELOPMENT	6,294	2,769	3,021	504
OFFICE OF TRANSPORTATION	886	332	455	99
STATISTICAL REPORTING SERVICE	8,900	2,800	5,700	-
DEPARTMENT OF COMMERCE, TOTAL	270,999	18,416	201,187	50,956
BUREAU OF THE CENSUS	5,007	404	2,335	2,268
NATIONAL BUREAU OF STANDARDS	91,188	17,812	63,731	9,645
NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION	164,219	-	127,216	36,003
NATIONAL TELECOMMUNICATIONS & INFORMATION ADMIN	8,545	-	7,545	1,000
OFFICE OF THE SECRETARY	400	200	360	40
DEPARTMENT OF DEFENSE, TOTAL	34,142,084	913,195	2,406,204	30,822,685
DEPARTMENT OF THE ARMY	5,153,901	233,495	864,120	4,251,186
DEPARTMENT OF THE NAVY	9,715,471	389,940	492,300	8,833,231
DEPARTMENT OF THE AIR FORCE	14,700,648	284,210	977,280	13,917,358
DEFENSE AGENCIES	4,912,403	108,440	772,584	3,631,318
DIRECTOR OF TEST & EVALUATION, DEFENSE	58,762	-	-	58,762
DEPARTMENT OF EDUCATION	112,288	14,272	62,908	35,108
DEPARTMENT OF ENERGY	4,962,272	944,517	1,268,964	3,748,791
DEPARTMENT OF HEALTH AND HUMAN SERVICES, TOTAL	4,953,972	2,925,916	1,679,147	348,909
ALCOHOL, DRUG ABUSE & MENTAL HEALTH ADMINISTRATION	325,543	169,251	154,017	1,295
CENTERS FOR DISEASE CONTROL	83,982	-	83,982	-
FOOD & DRUG ADMINISTRATION	81,000	-	81,000	-
HEALTH CARE FINANCING ADMINISTRATION	35,000	-	35,000	-
HEALTH RESOURCES AND SERVICES ADMIN	3,920	900	3,020	-
HUMAN DEVELOPMENT SERVICES	4,990	220	3,916	854
NATIONAL INSTITUTES OF HEALTH	4,342,459	2,738,144	1,364,684	342,400
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	17,400	17,400	-	-
OFFICE OF THE SECRETARY	8,000	-	7,200	800
SOCIAL SECURITY ADMINISTRATION	16,728	-	16,728	-
DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT	30,947	-	11,107	19,840
DEPARTMENT OF THE INTERIOR, TOTAL	368,989	102,762	248,586	17,671
BUREAU OF LAND MANAGEMENT	3,548	-	1,780	1,768
BUREAU OF MINES	68,536	32,336	34,300	2,900
BUREAU OF RECLAMATION	11,468	235	10,503	730
GEOLOGICAL SURVEY	154,662	63,900	87,020	3,742
MINERAL MANAGEMENT SERVICE	1,800	-	1,800	-
NATIONAL PARK SERVICE	14,200	-	14,200	-
OFFICE OF SURFACE MINING RECLAMATION AND ENFORCEMENT	2,967	-	2,967	-
OFFICE OF WATER RESEARCH & TECHNOLOGY	309	91	378	31
UNITED STATES FISH AND WILDLIFE SERVICE	110,408	6,200	95,308	9,100
DEPARTMENT OF JUSTICE, TOTAL	22,988	2,570	12,378	8,040
DRUG ENFORCEMENT ADMINISTRATION	2,200	-	700	1,500
FEDERAL BUREAU OF INVESTIGATION	1,938	-	-	1,938
FEDERAL PRISON SYSTEM	1,500	-	1,100	400
IMMIGRATION AND NATURALIZATION SERVICE	400	-	200	200
OFFICE OF JUSTICE ASSISTANCE, RESEARCH, AND STATISTICS	17,130	2,570	10,278	4,282
OFFICE OF LEGAL POLICY	100	-	100	-
DEPARTMENT OF LABOR, TOTAL	18,957	4,478	13,879	600
BUREAU OF LABOR STATISTICS	621	-	621	-
EMPLOYMENT STANDARDS ADMINISTRATION	963	-	963	-
EMPLOYMENT AND TRAINING ADMINISTRATION	6,976	4,478	2,498	-
LABOR-MANAGEMENT SERVICES ADMINISTRATION	2,322	-	2,322	-
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION	5,075	-	5,075	-
OFFICE OF THE SECRETARY	1,800	-	1,800	-
PENSION BENEFIT GUARANTEE CORPORATION	1,000	-	400	600

CONTINUED ON NEXT PAGE

TABLE C-6. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND CHARACTER OF WORK: FISCAL YEAR 1985 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	RESEARCH		DEVELOPMENT
		BASIC	APPLIED	
DEPARTMENT OF STATE, TOTAL	1,670	-	1,670	-
DEPARTMENTAL FUNDS	1,670	-	1,670	-
DEPARTMENT OF TRANSPORTATION, TOTAL	495,204	400	79,630	415,174
COAST GUARD	23,500	-	4,625	18,875
FEDERAL AVIATION ADMINISTRATION	277,300	-	19,700	257,600
FEDERAL HIGHWAY ADMINISTRATION	59,500	-	9,100	50,400
FEDERAL RAILROAD ADMINISTRATION	15,700	-	2,700	13,000
MARITIME ADMINISTRATION	10,000	400	2,900	6,700
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION	62,900	-	27,400	35,500
OFFICE OF THE SECRETARY	6,754	-	300	6,454
RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION	2,600	-	600	2,000
URBAN MASS TRANSPORTATION ADMINISTRATION	36,950	-	12,305	24,645
DEPARTMENT OF THE TREASURY, TOTAL	28,077	7,578	13,790	6,709
BUREAU OF ENGRAVING AND PRINTING	5,800	800	1,800	3,200
INTERNAL REVENUE SERVICE	18,941	6,778	11,840	323
OFFICE OF PROTECTIVE RESEARCH	900	-	150	750
UNITED STATES CUSTOMS SERVICE	2,836	-	-	2,836
OTHER AGENCIES				
ADVISORY COMMISSION ON INTERGOVERNMENTAL RELATIONS	2,151	-	2,151	-
AGENCY FOR INTERNATIONAL DEVELOPMENT	364,270	3,915	244,804	117,549
CONSUMER PRODUCT SAFETY COMMISSION	709	-	539	170
ENVIRONMENTAL PROTECTION AGENCY	280,926	25,536	174,074	81,326
FEDERAL COMMUNICATIONS COMMISSION	1,422	-	1,422	-
FEDERAL EMERGENCY MANAGEMENT AGENCY	6,200	-	6,200	-
FEDERAL HOME LOAN BANK BOARD	2,900	-	2,900	-
FEDERAL TRADE COMMISSION	1,669	1,419	250	-
GENERAL SERVICES ADMINISTRATION	510	-	40	470
INTERNATIONAL TRADE COMMISSION	5,520	-	5,520	-
LIBRARY OF CONGRESS	6,494	445	1,169	4,880
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	3,339,400	826,721	1,088,063	1,424,616
NATIONAL SCIENCE FOUNDATION	1,414,017	1,335,809	78,208	-
NUCLEAR REGULATORY COMMISSION	168,415	-	168,415	-
SMITHSONIAN INSTITUTION	69,321	69,321	-	-
TENNESSEE VALLEY AUTHORITY	80,700	5,600	8,400	66,700
UNITED STATES ARMS CONTROL AND DISARMAMENT AGENCY	1,535	-	1,075	460
UNITED STATES INFORMATION AGENCY	4,000	-	4,000	-
VETERANS ADMINISTRATION	194,500	15,000	160,000	19,500

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-7. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1983

(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL: UNITED STATES AND TERRITORIES: INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	FOREIGN
TOTAL, ALL AGENCIES	38,711.5	10,581.9	17,147.8	1,501.2	4,966.4	2,265.8	1,241.6	581.3	186.0	239.6
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	847.6	559.1	1.6	-	275.0	.1	2.6	-	2.4	6.8
AGRICULTURAL COOPERATIVE SERVICE	2.1	1.8	-	-	.4	-	-	-	-	-
AGRICULTURAL MARKETING SERVICE	1.4	1.1	-	-	.3	-	-	-	-	-
AGRICULTURAL RESEARCH SERVICE	443.4	400.9	-	-	37.0	-	1.4	-	1.5	2.6
COOPERATIVE STATE RESEARCH SERVICE	232.3	6.9	-	-	223.6	.1	1.0	-	.8	-
ECONOMIC RESEARCH SERVICE	38.8	36.2	-	-	2.6	-	-	-	-	-
FOREST SERVICE	107.7	98.3	.4	-	8.6	-	.2	-	.2	*
HUMAN NUTRITION INFORMATION SERVICE	8.2	5.1	1.2	-	1.8	-	.1	-	-	-
OFF OF INTERNAT'L COOPERATION & DEV.	5.3	1.1	-	-	-	-	-	-	-	4.2
OFFICE OF TRANSPORTATION	.8	.8	-	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE	7.6	6.9	*	-	.7	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	335.0	251.8	22.1	-	50.6	.8	2.9	-	6.4	.4
BUREAU OF THE CENSUS	4.3	4.2	-	-	.1	-	-	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION	5.3	1.1	.8	-	2.7	-	.2	-	.5	-
NATIONAL BUREAU OF STANDARDS	95.0	89.1	2.1	-	3.1	.1	.6	-	-	*
NAT'L OCEANIC & ATMOSPHERIC ADMIN	222.0	149.1	19.2	-	44.7	.8	2.1	-	5.9	.3
NAT'L TELECOMM & INFORMATION ADMIN	8.3	8.3	-	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	*	*	-	-	-	-	-	-	-	*
DEPARTMENT OF DEFENSE, TOTAL	22,992.8	6,400.8	14,541.1	129.4	724.0	388.2	285.9	466.3	.1	57.1
DEPARTMENT OF THE ARMY	3,998.1	1,444.8	2,093.4	12.0	105.5	68.5	31.5	13.9	*	8.5
DEPARTMENT OF THE NAVY	6,068.2	2,029.8	3,569.0	106.2	222.6	25.3	73.6	4.8	-	36.9
DEPARTMENT OF THE AIR FORCE	10,812.6	1,952.6	7,770.0	.2	310.5	222.3	140.7	407.2	.1	8.9
DEFENSE AGENCIES	2,052.3	698.7	1,108.3	10.9	83.4	72.2	40.1	36.0	-	2.8
DIRECTOR OF TEST & EVALUATION, DEFENSE	61.6	54.9	.4	-	1.9	-	-	4.4	-	-
DEPARTMENT OF EDUCATION	111.7	11.5	6.0	-	58.1	-	31.7	-	3.8	.6
DEPARTMENT OF ENERGY	4,536.7	257.5	1,045.0	1,217.9	297.0	1,564.1	49.0	92.4	4.4	9.3
DEPT OF HLTH & HUMAN SERVICES, TOTAL	4,352.5	1,033.9	126.2	33.6	2,428.6	20.3	616.9	3.7	65.2	24.2
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	302.2	126.3	10.3	-	127.6	.1	25.2	-	11.8	.9
CENTERS FOR DISEASE CONTROL	78.2	51.4	6.9	-	5.2	-	14.1	-	.3	.2
FOOD & DRUG ADMINISTRATION	74.2	67.1	-	-	3.6	-	3.4	-	-	.1
HEALTH CARE FINANCING ADMIN	30.2	1.1	6.2	-	6.1	-	12.4	-	4.4	-
HEALTH RESOURCES AND SERVICES ADMINISTRATION	13.3	2.2	-	-	8.2	-	2.6	-	.2	-
HUMAN DEVELOPMENT SERVICES	23.4	2.6	4.4	-	2.4	-	8.2	-	5.7	*
NATIONAL INSTITUTES OF HEALTH	3,789.2	768.6	94.5	33.6	2,264.0	20.2	541.8	3.7	40.2	22.7
OFFICE OF ASST'T SECY FOR HEALTH	16.6	6.3	1.3	-	7.4	-	1.4	-	-	.2
OFFICE OF THE SECRETARY	14.4	2.1	1.4	-	3.4	-	7.5	-	*	-
SOCIAL SECURITY ADMINISTRATION	10.8	6.1	1.1	-	.7	-	.3	-	2.6	-
DEPT OF HOUSING & URBAN DEVELOPMENT	32.1	18.7	5.6	-	2.2	-	4.5	-	1.1	-
DEPARTMENT OF THE INTERIOR, TOTAL	382.5	274.1	20.9	3.0	28.6	*	.7	*	54.2	1.0
BUREAU OF LAND MANAGEMENT	3.9	3.4	-	-	.5	-	-	-	-	-
BUREAU OF MINES	88.5	57.9	15.4	2.9	11.7	-	.6	-	-	-
BUREAU OF RECLAMATION	10.0	7.4	.9	-	1.6	-	-	*	.1	-
GEOLOGICAL SURVEY	157.0	146.3	3.0	-	7.7	*	-	-	-	-
MINERAL MANAGEMENT SERVICE	1.5	.3	.1	.2	.8	-	-	-	-	-
NATIONAL PARK SERVICE	13.7	10.6	-	-	3.1	-	.1	-	-	-
OFFICE OF THE SECRETARY	7.4	.1	-	-	-	-	-	-	6.4	1.0
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	1.5	.5	.8	-	.2	-	-	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	2.2	1.0	.8	-	.5	-	-	-	-	-
US FISH & WILDLIFE SERVICE	96.7	46.6	-	-	2.4	-	-	-	47.7	-
DEPARTMENT OF JUSTICE, TOTAL	31.4	2.9	9.2	-	7.2	-	11.6	-	.6	-
DRUG ENFORCEMENT ADMINISTRATION	2.5	.6	1.9	-	-	-	-	-	-	-
FEDERAL BUREAU OF INVESTIGATION	2.5	.3	2.3	-	-	-	-	-	-	-
FEDERAL PRISON SYSTEM	1.7	.9	-	-	.7	-	.2	-	-	-
IMMIGRATION & NATURALIZATION SVC	.6	.1	.5	-	-	-	-	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	23.8	1.1	4.4	-	6.4	-	11.4	-	.6	-
OFFICE OF LEGAL POLICY	.3	*	.2	-	.1	-	-	-	-	-
DEPARTMENT OF LABOR, TOTAL	19.9	5.7	6.5	-	6.4	-	1.1	-	.1	*
BUREAU OF LABOR STATISTICS	.7	.7	-	-	-	-	-	-	-	-
EMPLOYMENT STANDARDS ADMINISTRATION	1.4	.8	.4	-	.2	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	9.0	1.3	.3	-	6.2	-	1.1	-	.1	*
LABOR-MANAGEMENT SERVICES ADMIN	.9	.9	-	-	-	-	-	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	5.3	.4	4.8	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	1.5	1.5	-	-	-	-	-	-	-	-
PENSION BENEFIT GUARANTEE CORPORATION	1.1	.1	1.0	-	-	-	-	-	-	-

CONTINUED ON NEXT PAGE

TABLE C-7. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1983

(MILLIONS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL: UNITED STATES AND DEPENDENCIES							FOREIGN
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS	STATE AND LOCAL GOVTS	
DEPARTMENT OF STATE, TOTAL	1.5	0.8	0.6	-	•	-	-	-	-	-
DEPARTMENTAL FUNDS	1.5	.8	.6	-	•	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	347.7	75.6	179.6	0.1	23.1	6.6	23.2	-	39.5	0.1
COAST GUARD	19.6	11.6	7.2	-	•	.6	-	-	.1	.1
FEDERAL AVIATION ADMINISTRATION	126.2	30.1	77.3	-	.6	5.9	12.3	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	50.4	2.1	14.4	.1	4.1	.1	4.3	-	25.5	-
FEDERAL RAILROAD ADMINISTRATION	16.5	4.6	11.5	-	-	-	.4	-	-	-
MARITIME ADMINISTRATION	15.0	.8	13.2	-	.8	.1	-	-	.1	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	52.0	7.9	31.2	-	3.8	-	3.3	-	5.9	-
OFFICE OF THE SECRETARY	4.9	2.9	1.8	-	.2	-	-	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN	6.2	2.6	.5	-	.2	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN	57.0	13.1	22.6	-	10.4	-	2.8	-	8.0	-
DEPARTMENT OF THE TREASURY, TOTAL	15.6	8.2	6.9	-	.2	•	.3	-	-	-
BUREAU OF ENGRAVING AND PRINTING	3.9	2.0	1.9	-	-	-	-	-	-	-
INTERNAL REVENUE SERVICE	8.0	6.1	1.7	-	.2	-	-	-	-	-
OFFICE OF PROTECTIVE RESEARCH	.3	•	-	-	-	-	-	-	-	-
UNITED STATES CUSTOMS SERVICE	3.3	.1	3.2	-	-	•	.3	-	-	-
OTHER AGENCIES										
ADVISORY COMM ON INTERGOV'TL RELATIONS	2.1	2.1	-	-	-	-	-	-	-	-
AGENCY FOR INTERNAT'L DEVELOPMENT	227.3	20.6	16.7	-	43.4	-	39.5	0.8	.2	106.2
APPALACHIAN REGIONAL COMMISSION	.2	•	.2	-	-	-	-	-	.1	-
CONSUMER PRODUCT SAFETY COMMISSION	.5	.5	-	-	-	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	240.7	93.2	92.7	-	43.3	.3	7.8	-	3.2	.2
FEDERAL COMMUNICATIONS COMMISSION	1.3	1.3	•	-	.1	-	-	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY	3.3	1.2	1.1	•	.2	.6	.1	•	•	-
FEDERAL HOME LOAN BANK BOARD	3.0	2.8	-	-	.2	-	-	-	-	-
FEDERAL TRADE COMMISSION	1.4	1.4	-	-	-	-	-	-	-	-
GENERAL SERVICES ADMINISTRATION	.6	.6	-	-	-	-	-	-	-	-
INTERNATIONAL TRADE COMMISSION	.7	.7	-	-	-	-	-	-	-	-
LIBRARY OF CONGRESS	4.7	4.7	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	7.4	6.8	.6	-	-	-	-	-	-	-
NATIONAL SCIENCE FOUNDATION	2,661.6	1,134.4	1,029.9	-	189.4	177.1	97.3	.5	2.9	30.2
NUCLEAR REGULATORY COMMISSION	1,062.0	130.8	26.1	1.8	783.1	74.7	41.6	.1	1.7	2.2
SMITHSONIAN INSTITUTION	207.3	23.4	8.5	115.3	5.1	32.9	3.2	17.5	.1	1.4
TENNESSEE VALLEY AUTHORITY	56.0	56.0	-	-	-	-	-	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	69.9	43.2	-	-	-	-	19.8	-	-	-
UNITED STATES INFORMATION AGENCY	1.0	.1	.6	•	.1	.1	•	.1	-	-
VETERANS ADMINISTRATION	•	•	-	-	-	-	-	-	-	-
	161.4	158.7	-	-	.8	-	1.9	-	-	-

1/ INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

• INDICATES AMOUNT LESS THAN $50,000.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-8. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1984 (ESTIMATED)

(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	PERFORMER: UNITED STATES AND DEPENDENCIES							FOREIGN
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS	STATE AND LOCAL GOVTS	
TOTAL, ALL AGENCIES	44,835.8	12,287.2	20,564.6	1,697.1	5,567.0	2,286.1	1,492.4	628.7	210.5	192.3
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	871.9	576.0	1.6	-	279.2	-	1.6	-	2.5	11.2
AGRICULTURAL COOPERATIVE SERVICE	2.2	1.7	-	-	.5	-	-	-	-	-
AGRICULTURAL MARKETING SERVICE	1.5	1.5	-	-	-	-	-	-	-	-
AGRICULTURAL RESEARCH SERVICE	452.9	410.1	-	-	37.0	-	1.5	-	1.5	2.8
COOPERATIVE STATE RESEARCH SERVICE	237.7	7.5	-	-	229.4	-	-	-	.8	-
ECONOMIC RESEARCH SERVICE	44.3	42.3	-	-	2.0	-	-	-	-	-
FOREST SERVICE	108.6	99.4	.4	-	8.4	-	.1	-	.2	*
HUMAN NUTRITION INFORMATION SERVICE	6.1	3.8	1.1	-	1.2	-	-	-	-	-
OFF OF INTERNAT'L COOPERATION & DEV.	9.5	1.2	-	-	-	-	-	-	-	8.3
OFFICE OF TRANSPORTATION	1.0	1.0	-	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE	8.2	7.5	-	-	.7	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	360.0	256.1	39.2	-	52.0	.6	3.0	.3	7.5	1.4
BUREAU OF THE CENSUS	4.5	4.2	-	-	.2	-	-	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION	5.3	1.1	.7	-	3.0	-	.2	-	.4	-
NATIONAL BUREAU OF STANDARDS	96.0	89.6	2.8	-	3.0	.1	.5	-	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	244.3	152.5	35.7	-	45.7	.6	2.3	.3	7.1	.1
NAT'L TELECOMM & INFORMATION ADMIN	8.7	8.7	-	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	1.3	*	-	-	-	-	-	-	-	1.3
DEPARTMENT OF DEFENSE, TOTAL	27,540.0	7,674.2	17,692.2	123.1	784.1	288.4	452.4	503.0	.1	22.5
DEPARTMENT OF THE ARMY	4,475.5	1,795.0	2,373.5	1.9	119.2	107.0	49.9	20.2	*	8.7
DEPARTMENT OF THE NAVY	7,526.0	2,181.9	4,718.6	115.5	231.4	9.9	239.5	25.	-	4.2
DEPARTMENT OF THE AIR FORCE	12,796.4	2,602.1	9,174.5	.3	347.8	92.7	125.2	407.1	.1	6.1
DEFENSE AGENCIES	2,729.5	1,049.0	1,424.6	5.4	85.5	78.9	37.9	44.7	-	3.5
DIRECTOR OF TEST & EVALUATION, DEFENSE	52.7	46.2	1.0	-	.2	-	-	5.3	-	-
DEPARTMENT OF EDUCATION	131.4	11.0	5.3	-	74.1	-	36.1	-	3.4	1.4
DEPARTMENT OF ENERGY	4,825.6	302.0	993.1	1,338.4	309.8	1,691.6	68.6	105.6	12.0	4.5
DEPT OF HLTH & HUMAN SERVICES, TOTAL	4,864.3	1,143.2	153.3	39.4	2,726.0	24.7	673.0	4.0	69.4	31.3
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	344.0	133.9	12.3	-	145.9	-	36.6	-	15.9	1.5
CENTERS FOR DISEASE CONTROL	83.5	55.2	6.5	-	5.4	-	15.7	-	.4	.3
FOOD & DRUG ADMINISTRATION	79.3	71.6	-	-	3.9	-	3.7	-	-	.1
HEALTH CARE FINANCING ADMIN	31.0	3.1	15.6	-	4.1	-	6.0	-	2.2	-
HEALTH RESOURCES AND SERVICES ADMINISTRATION	17.8	1.9	-	.8	12.1	2.7	-	-	.3	-
HUMAN DEVELOPMENT SERVICES	19.8	2.3	4.7	-	1.5	-	7.3	-	4.0	*
NATIONAL INSTITUTES OF HEALTH	4,240.2	854.8	106.1	33.6	2,545.2	22.1	597.4	4.0	43.9	28.0
OFFICE OF ASST'T SECY FOR HEALTH	19.2	9.0	1.5	-	5.9	-	1.5	-	-	1.4
OFFICE OF THE SECRETARY	10.0	2.6	1.9	-	1.0	-	4.5	-	-	-
SOCIAL SECURITY ADMINISTRATION	17.6	8.8	4.7	-	1.0	-	.2	-	2.9	-
DEPT OF HOUSING & URBAN DEVELOPMENT	29.0	16.6	5.2	-	2.0	-	4.2	-	1.1	-
DEPARTMENT OF THE INTERIOR, TOTAL	421.8	306.9	19.3	2.9	36.5	-	.8	*	54.3	1.0
BUREAU OF LAND MANAGEMENT	4.1	3.6	-	-	.5	-	-	-	-	-
BUREAU OF MINES	109.8	81.4	13.1	2.7	11.9	-	.8	-	-	-
BUREAU OF RECLAMATION	10.8	6.9	1.6	-	2.2	-	*	*	-	-
GEOLOGICAL SURVEY	169.8	154.1	3.5	-	12.2	-	-	-	-	-
MINERAL MANAGEMENT SERVICE	1.5	.3	.1	.2	.8	-	-	-	-	-
NATIONAL PARK SERVICE	14.0	10.0	-	-	4.0	-	-	-	-	-
OFFICE OF THE SECRETARY	1.2	.1	-	-	-	-	-	-	-	1.0
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	1.0	.6	.3	-	*	-	-	-	*	-
OFFICE OF WATER RSCH & TECHNOLOGY	4.2	1.0	.7	-	2.5	-	-	-	-	-
US FISH & WILDLIFE SERVICE	105.5	48.8	-	-	2.4	-	-	-	54.3	-
DEPARTMENT OF JUSTICE, TOTAL	36.6	3.0	10.3	-	6.8	-	15.5	-	1.1	-
DRUG ENFORCEMENT ADMINISTRATION	2.6	.7	1.9	-	-	-	-	-	-	-
FEDERAL BUREAU OF INVESTIGATION	4.7	.3	4.4	-	-	-	-	-	-	-
FEDERAL PRISON SYSTEM	1.6	.9	-	-	.2	-	.5	-	-	-
IMMIGRATION & NATURALIZATION SVC	1.0	.1	.9	-	-	-	-	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	26.2	1.1	2.8	-	6.4	-	14.8	-	1.1	-
OFFICE OF LEGAL POLICY	.5	*	.2	-	.2	-	.1	-	-	-
DEPARTMENT OF LABOR, TOTAL	18.2	6.1	6.5	-	4.8	-	.7	-	.1	-
BUREAU OF LABOR STATISTICS	.5	.5	-	-	-	-	-	-	-	-
EMPLOYMENT STANDARDS ADMINISTRATION	.9	.8	.1	-	*	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	6.9	1.6	.3	-	4.2	-	.7	-	.1	-
LABOR-MANAGEMENT SERVICES ADMIN	1.9	.9	.4	-	.6	-	-	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	5.1	.4	4.7	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	1.7	1.7	-	-	-	-	-	-	-	-
PENSION BENEFIT GUARANTEE CORPORATION	1.1	.1	1.0	-	-	-	-	-	-	-

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TABLE C-8. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1984 (ESTIMATED)

(MILLIONS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL							
			UNITED STATES AND TERRITORIES							FOREIGN
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	
DEPARTMENT OF STATE, TOTAL	1.6	0.8	0.7	-	*	-	*	-	-	-
DEPARTMENTAL FUNDS	1.6	.8	.7	-	*	-	*	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	515.9	93.2	327.1	-	15.4	6.4	23.7	-	49.8	0.2
COAST GUARD	22.5	13.7	8.6	-	-	.2	-	-	-	-
FEDERAL AVIATION ADMINISTRATION	279.6	35.1	225.5	-	.8	5.9	12.3	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	54.8	2.0	15.6	-	4.6	.4	4.0	-	28.2	-
FEDERAL RAILROAD ADMINISTRATION	31.6	14.6	16.4	-	-	-	.6	-	-	-
MARITIME ADMINISTRATION	12.2	2.2	9.1	-	.3	-	.3	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	56.8	8.7	34.0	-	4.3	-	3.6	-	.1	.2
OFFICE OF THE SECRETARY	5.4	3.2	2.0	-	.2	-	-	-	6.2	-
RESEARCH & SPECIAL PROGRAMS ADMIN	5.2	2.6	.6	-	2.0	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN	47.8	11.2	15.3	-	3.2	-	2.9	-	15.3	-
DEPARTMENT OF THE TREASURY, TOTAL	16.4	8.9	7.2	-	.3	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING	5.1	2.7	2.4	-	-	-	-	-	-	-
INTERNAL REVENUE SERVICE	8.2	5.9	2.0	-	.3	-	-	-	-	-
OFFICE OF PROTECTIVE RESEARCH	.2	.2	-	-	-	-	-	-	-	-
UNITED STATES CUSTOMS SERVICE	2.9	.1	2.8	-	-	-	-	-	-	-
OTHER AGENCIES										
ADVISORY COMM ON INTERGOV'TL RELATIONS	2.1	2.1	-	-	-	-	-	-	-	-
AGENCY FOR INTERNAT'L DEVELOPMENT	249.2	13.5	12.9	-	109.6	-	31.0	-	-	82.2
APPALACHIAN REGIONAL COMMISSION	.4	*	.3	-	-	-	-	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION	1.0	1.0	-	-	-	-	-	-	.1	-
ENVIRONMENTAL PROTECTION AGENCY	250.0	97.5	95.7	-	43.7	-	8.4	-	4.5	.2
FEDERAL COMMUNICATIONS COMMISSION	1.5	1.4	-	-	.1	-	-	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY	3.3	1.2	1.1	*	.2	.6	.1	*	*	-
FEDERAL HOME LOAN BANK BOARD	3.0	2.8	-	-	.2	-	-	-	-	-
FEDERAL TRADE COMMISSION	1.6	1.6	-	-	-	-	-	-	-	-
GENERAL SERVICES ADMINISTRATION	1.0	.9	.1	-	-	-	-	-	-	-
INTERNATIONAL TRADE COMMISSION	4.6	4.6	-	-	-	-	-	-	-	-
LIBRARY OF CONGRESS	6.3	5.9	.4	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	2,888.9	1,260.6	1,133.7	-	210.0	142.9	105.6	0.9	3.0	32.7
NATIONAL SCIENCE FOUNDATION	1,238.5	137.8	45.6	3.3	906.9	99.1	43.9	.2	1.7	2.2
NUCLEAR REGULATORY COMMISSION	190.9	21.9	13.7	100.0	-4.8	31.6	2.4	15.1	*	1.4
SMITHSONIAN INSTITUTION	63.0	63.0	-	-	-	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY	73.3	52.5	-	-	-	-	20.8	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	1.5	.1	.9	*	.1	.1	.1	.2	-	-
UNITED STATES INFORMATION AGENCY	1.5	*	1.5	-	-	-	-	-	-	-
VETERANS ADMINISTRATION	220.9	219.7	-	-	.5	-	.7	-	-	-

1/ INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

* INDICATES AMOUNT LESS THAN $50,000.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-9. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1985 (ESTIMATED)

(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL							
			UNITED STATES AND TERRITORIES							FOREIGN
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	
TOTAL, ALL AGENCIES	52,253.6	13,387.6	26,050.0	1,687.7	5,958.0	2,467.6	1,523.3	705.1	208.1	266.3
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	898.9	582.9	2.7	-	300.8	-	1.7	-	2.5	8.3
AGRICULTURAL COOPERATIVE SERVICE	1.4	1.4	-	-	-	-	-	-	-	-
AGRICULTURAL RESEARCH SERVICE	466.9	419.7	-	-	41.0	-	1.5	-	1.5	3.3
COOPERATIVE STATE RESEARCH SERVICE	256.8	7.7	-	-	248.3	-	-	-	.8	-
ECONOMIC RESEARCH SERVICE	47.5	45.9	-	-	1.6	-	-	-	-	-
FOREST SERVICE	103.1	94.5	.3	-	7.9	-	.1	-	.2	*
HUMAN NUTRITION INFORMATION SERVICE	7.5	3.8	2.4	-	1.2	-	.1	-	-	-
OFF OF INTERNAT'L COOPERATION & DEV.	6.3	1.3	-	-	-	-	-	-	-	5.0
OFFICE OF TRANSPORTATION	1.0	1.0	-	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE	8.5	7.7	-	-	.8	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	270.6	222.9	28.5	-	16.0	.3	1.9	-	.2	.8
BUREAU OF THE CENSUS	5.0	4.9	-	-	.1	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	91.2	85.9	2.1	-	2.6	-	.6	-	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	165.2	123.6	26.3	-	13.3	.3	1.3	-	.2	.2
NAT'L TELECOMM & INFORMATION ADMIN	8.5	8.5	-	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	.6	*	-	-	-	-	-	-	-	.6
DEPARTMENT OF DEFENSE, TOTAL	34,142.1	8,672.7	22,984.2	137.3	929.8	330.2	464.3	593.2	.1	30.3
DEPARTMENT OF THE ARMY	5,153.8	1,941.7	2,857.1	6.5	133.7	136.1	50.5	19.1	*	9.0
DEPARTMENT OF THE NAVY	9,715.4	2,651.5	6,392.4	127.3	264.4	10.8	240.0	23.3	-	4.8
DEPARTMENT OF THE AIR FORCE	14,700.7	2,392.7	11,116.1	.3	425.6	141.1	112.1	500.4	.1	12.3
DEFENSE AGENCIES	4,513.4	1,635.2	2,617.4	3.2	104.9	42.3	61.7	44.6	-	4.1
DIRECTOR OF TEST & EVALUATION, DEFENSE	58.8	51.7	1.2	-	1.2	-	-	4.7	-	-
DEPARTMENT OF EDUCATION	112.3	10.8	5.7	-	99.5	-	32.8	-	2.5	.9
DEPARTMENT OF ENERGY	4,962.3	287.4	1,007.7	1,409.6	327.0	1,759.9	57.4	97.5	11.7	4.0
DEPT OF HLTH & HUMAN SERVICES, TOTAL	4,954.0	1,155.8	153.5	41.8	2,787.2	23.7	687.9	4.1	69.2	30.8
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	355.6	133.9	14.2	-	150.5	-	38.9	-	16.5	1.5
CENTERS FOR DISEASE CONTROL	84.0	65.7	6.5	-	6.4	-	15.7	-	.4	.3
FOOD & DRUG ADMINISTRATION	81.0	73.3	-	-	3.9	-	3.7	-	-	.1
HEALTH CARE FINANCING ADMIN	35.0	2.9	16.6	-	4.6	-	8.4	-	2.5	-
HEALTH RESOURCES AND SERVICES ADMINISTRATION	3.9	1.8	-	-	1.9	-	.2	-	-	-
HUMAN DEVELOPMENT SERVICES	7.0	1.1	.5	-	.4	-	2.8	-	2.1	*
NATIONAL INSTITUTES OF HEALTH	4,345.4	869.9	106.8	41.8	2,613.6	23.7	612.7	4.1	45.1	27.7
OFFICE OF ASST'T SECY FOR HEALTH	17.4	8.2	1.2	-	5.5	-	1.4	-	-	1.2
OFFICE OF THE SECRETARY	8.0	2.0	1.0	-	1.0	-	4.0	-	-	-
SOCIAL SECURITY ADMINISTRATION	16.7	7.0	6.7	-	.3	-	.1	-	2.6	-
DEPT OF HOUSING & URBAN DEVELOPMENT	30.9	17.8	5.5	-	2.1	-	4.4	-	1.1	-
DEPARTMENT OF THE INTERIOR, TOTAL	369.0	277.0	12.2	2.9	18.6	-	.8	*	57.5	-
BUREAU OF LAND MANAGEMENT	3.5	3.1	-	-	.4	-	-	-	-	-
BUREAU OF MINES	68.9	57.4	6.7	2.7	1.3	-	.8	-	-	-
BUREAU OF RECLAMATION	11.5	7.8	1.7	-	1.8	-	-	*	.1	-
GEOLOGICAL SURVEY	154.7	145.4	3.1	-	6.2	-	-	-	-	-
MINERAL MANAGEMENT SERVICE	1.8	.3	.2	.2	1.0	-	-	-	-	-
NATIONAL PARK SERVICE	14.5	10.5	-	-	4.0	-	-	-	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	3.0	.6	.5	-	1.8	-	-	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	.5	.5	-	-	-	-	-	-	-	-
US FISH & WILDLIFE SERVICE	110.6	51.2	-	-	2.0	-	-	-	57.4	-
DEPARTMENT OF JUSTICE, TOTAL	23.0	2.7	7.6	-	4.2	-	7.1	-	1.4	-
DRUG ENFORCEMENT ADMINISTRATION	2.3	.5	1.8	-	-	-	-	-	-	-
FEDERAL BUREAU OF INVESTIGATION	1.6	.3	1.3	-	-	-	-	-	-	-
FEDERAL PRISON SYSTEM	1.5	.9	-	-	.2	-	.4	-	-	-
IMMIGRATION & NATURALIZATION SVC	.4	.1	-	-	-	-	-	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	17.1	1.0	4.1	-	4.0	-	6.6	-	1.4	-
OFFICE OF LEGAL POLICY	.1	*	.1	-	-	-	*	-	-	-
DEPARTMENT OF LABOR, TOTAL	19.0	4.1	6.9	-	5.1	-	.7	-	.1	-
BUREAU OF LABOR STATISTICS	.6	.6	-	-	-	-	-	-	-	-
EMPLOYMENT STANDARDS ADMINISTRATION	1.0	.9	.1	-	-	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	7.0	1.4	.4	-	4.3	-	.7	-	.1	-
LABOR-MANAGEMENT SERVICES ADMIN	2.5	1.0	.8	-	.8	-	-	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	5.1	.4	4.7	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	1.8	1.8	-	-	-	-	-	-	-	-
PENSION BENEFIT GUARANTEE CORPORATION	1.0	.1	.9	-	-	-	-	-	-	-

CONTINUED ON NEXT PAGE

TABLE C-9. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1985 (ESTIMATED)

(MILLIONS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL							
			UNITED STATES AND TERRITORIES							FOREIGN
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS	STATE AND LOCAL GOVTS	
DEPARTMENT OF STATE, TOTAL	1.7	0.9	0.7	-	*	-	*	-	-	-
DEPARTMENTAL FUNDS	1.7	.9	.7	-	*	-	*	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	495.2	111.2	273.7	-	16.9	10.1	31.9	0.3	51.1	0.1
COAST GUARD	23.5	13.7	9.5	-	-	-	-	-	-	-
FEDERAL AVIATION ADMINISTRATION	277.3	66.2	180.1	-	1.5	.2	-	-	-	.1
FEDERAL HIGHWAY ADMINISTRATION	99.5	2.0	17.6	-	5.8	9.4	20.2	-	-	-
FEDERAL RAILROAD ADMINISTRATION	15.7	4.3	11.1	-	-	.5	4.5	-	29.1	-
MARITIME ADMINISTRATION	10.0	.8	8.5	-	.3	-	.4	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	62.9	9.6	38.0	-	4.4	-	3.9	.3	.3	-
OFFICE OF THE SECRETARY	6.8	3.4	2.1	-	1.3	-	-	-	7.0	-
RESEARCH & SPECIAL PROGRAMS ADMIN	2.6	2.0	.6	-	-	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN	37.0	9.2	6.4	-	3.6	-	3.0	-	14.8	-
DEPARTMENT OF THE TREASURY, TOTAL	28.1	17.8	10.1	-	.2	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING	5.8	3.7	2.6	-	-	-	-	-	-	-
INTERNAL REVENUE SERVICE	18.9	13.7	4.8	-	.2	-	-	-	-	-
OFFICE OF PROTECTIVE RESEARCH	.5	.5	-	-	-	-	-	-	-	-
UNITED STATES CUSTOMS SERVICE	2.8	.1	2.7	-	-	-	-	-	-	-
OTHER AGENCIES										
ADVISORY COMM ON INTERGOV'TL RELATIONS	2.2	2.2	-	-	-	-	-	-	-	-
AGENCY FOR INTERNAT'L DEVELOPMENT	364.3	13.2	9.5	-	165.9	-	27.7	-	-	150.1
CONSUMER PRODUCT SAFETY COMMISSION	.7	.7	-	-	-	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	280.9	104.8	108.3	-	51.4	-	10.4	-	5.8	.2
FEDERAL COMMUNICATIONS COMMISSION	1.4	1.3	.1	-	.1	-	-	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY	4.2	2.2	2.1	0.1	.4	1.1	.2	.1	.1	-
FEDERAL HOME LOAN BANK BOARD	2.9	2.7	-	-	.2	-	-	-	-	-
FEDERAL TRADE COMMISSION	1.7	1.7	-	-	-	-	-	-	-	-
GENERAL SERVICES ADMINISTRATION	.5	.5	-	-	-	-	-	-	-	-
INTERNATIONAL TRADE COMMISSION	5.5	5.5	-	-	-	-	-	-	-	-
LIBRARY OF CONGRESS	6.5	6.1	.4	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	3,339.4	1,376.8	1,351.1	-	295.0	213.1	122.1	.5	3.0	37.8
NATIONAL SCIENCE FOUNDATION	1,414.0	159.2	63.1	3.6	1,032.7	103.0	47.9	.3	2.0	2.1
NUCLEAR REGULATORY COMMISSION	168.4	22.8	11.5	92.3	4.2	26.1	1.6	9.1	-	1.0
SMITHSONIAN INSTITUTION	69.3	69.3	-	-	-	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY	80.7	59.1	-	-	-	-	21.6	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	1.5	.2	.9	*	.1	.1	.1	.2	-	-
UNITED STATES INFORMATION AGENCY	4.0	*	4.0	-	-	-	-	-	-	-
VETERANS ADMINISTRATION	194.5	193.3	-	-	.5	-	.7	-	-	-

1/ INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

* INDICATES AMOUNT LESS THAN $50,000.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-10. FEDERAL OBLIGATIONS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT TO FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS, BY AGENCY: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	RESEARCH AND DEVELOPMENT				R&D PLANT			
	TOTAL, ALL FFRDC'S	FFRDC'S ADMIN BY INDUS-TRIAL FIRMS	FFRDC'S ADMIN BY UNIV & COL	FFRDC'S ADMIN BY OTHER NONPROFIT INSTS	TOTAL, ALL FFRDC'S	FFRDC'S ADMIN BY INDUS-TRIAL FIRMS	FFRDC'S ADMIN BY UNIV & COL	FFRDC'S ADMIN BY OTHER NONPROFIT INSTS
TOTAL, ALL AGENCIES	4,348,309	1,501,193	2,265,844	581,272	527,381	166,428	353,046	7,907
DEPARTMENTS								
DEPARTMENT OF AGRICULTURE, TOTAL	65	-	65	-	-	-	-	-
COOPERATIVE STATE RESEARCH SERVICE	65	-	65	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	834	-	834	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	52	-	52	-	-	-	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	782	-	782	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	983,906	129,397	388,246	466,263	5,600	-	5,600	-
DEPARTMENT OF THE ARMY	94,413	12,037	68,498	13,878	-	-	-	-
DEPARTMENT OF THE NAVY	136,245	104,184	25,258	4,803	-	-	-	-
DEPARTMENT OF THE AIR FORCE	629,796	246	222,328	407,213	-	-	-	-
DEFENSE AGENCIES	119,040	10,931	72,162	35,947	5,600	-	5,600	-
DIRECTOR OF TEST & EVALUATION, DEFENSE	4,412	-	-	4,412	-	-	-	-
DEPARTMENT OF ENERGY	2,874,430	1,217,890	1,564,141	92,389	516,527	164,928	343,692	7,907
DEPT OF HLTH & HUMAN SERVICES, TOTAL	57,537	33,612	20,274	3,651	1,500	1,500	-	-
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	75	-	75	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	57,462	33,612	20,199	3,651	1,500	1,500	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	3,130	3,090	40	40	-	-	-	-
BUREAU OF MINES	2,890	2,890	-	-	-	-	-	-
BUREAU OF RECLAMATION	40	-	-	40	-	-	-	-
GEOLOGICAL SURVEY	40	-	40	-	-	-	-	-
MINERAL MANAGEMENT SERVICE	200	200	-	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	6,714	88	6,626	-	-	-	-	-
COAST GUARD	562	-	562	-	-	-	-	-
FEDERAL AVIATION ADMINISTRATION	5,867	-	5,867	-	-	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	150	88	62	-	-	-	-	-
MARITIME ADMINISTRATION	135	-	135	-	-	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	40	-	40	-	-	-	-	-
OFFICE OF PROTECTIVE RESEARCH	40	-	40	-	-	-	-	-
OTHER AGENCIES								
AGENCY FOR INTERNAT'L DEVELOPMENT	792	-	-	792	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	254	-	254	-	-	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY	670	30	604	36	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	177,578	-	177,083	495	3,754	-	3,754	-
NATIONAL SCIENCE FOUNDATION	76,307	1,768	74,489	50	-	-	-	-
NUCLEAR REGULATORY COMMISSION	165,487	113,323	32,858	17,906	-	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	175	35	90	90	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-11. FEDERAL OBLIGATIONS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT TO FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS, BY AGENCY: FISCAL YEAR 1984 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	R&D PLANT							
	TOTAL, ALL FFRDC'S	FFRDC'S ADMIN BY INDUS-TRIAL FIRMS	FFRDC'S ADMIN BY UNIV & COL	FFRDC'S ADMIN BY OTHER NONPROFIT INSTS	TOTAL, ALL FFRDC'S	FFRDC'S ADMIN BY INDUS-TRIAL FIRMS	FFRDC'S ADMIN BY UNIV & COL	FFRDC'S ADMIN BY OTHER NONPROFIT INSTS
TOTAL, ALL AGENCIES	4,521,889	1,607,090	2,286,087	628,712	951,859	190,162	358,017	3,680
DEPARTMENT OF COMMERCE, TOTAL	868	-	613	250	-	-	-	-
NATIONAL BUREAU OF STANDARDS	50	-	50	-	-	-	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	818	-	563	250	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	914,127	123,057	288,416	502,954	6,700	-	6,700	-
DEPARTMENT OF THE ARMY	129,066	1,895	106,990	20,181	-	-	-	-
DEPARTMENT OF THE NAVY	150,338	115,482	9,862	24,994	-	-	-	-
DEPARTMENT OF THE AIR FORCE	500,740	270	92,671	407,799	-	-	-	-
DEFENSE AGENCIES	129,008	5,410	78,893	44,705	6,700	-	6,700	-
DIRECTOR OF TEST & EVALUATION, DEFENSE	5,275	-	-	5,275	-	-	-	-
DEPARTMENT OF ENERGY	3,135,536	1,338,371	1,691,611	105,554	538,449	189,052	345,717	3,680
DEPT OF HLTH & HUMAN SERVICES, TOTAL	68,189	39,415	24,737	4,037	1,110	1,110	-	-
HEALTH RESOURCES AND SERVICES ADMINISTRATION	3,453	800	2,653	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	64,736	38,615	22,084	4,037	1,110	1,110	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	2,930	2,900	-	30	-	-	-	-
BUREAU OF MINES	2,700	2,700	-	-	-	-	-	-
BUREAU OF RECLAMATION	30	-	-	30	-	-	-	-
MINERAL MANAGEMENT SERVICE	200	200	-	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	6,436	-	6,436	-	-	-	-	-
COAST GUARD	169	-	169	-	-	-	-	-
FEDERAL AVIATION ADMINISTRATION	5,867	-	5,867	-	-	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	400	-	400	-	-	-	-	-
OTHER AGENCIES								
FEDERAL EMERGENCY MANAGEMENT AGENCY	666	29	601	36	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	143,405	-	142,905	500	5,600	-	5,600	-
NATIONAL SCIENCE FOUNDATION	102,414	3,264	99,075	75	-	-	-	-
NUCLEAR REGULATORY COMMISSION	144,712	100,034	31,998	15,081	-	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	305	20	90	195	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-12. FEDERAL OBLIGATIONS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT TO FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS, BY AGENCY: FISCAL YEAR 1985 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	RESEARCH AND DEVELOPMENT				R&D PLANT			
	TOTAL, ALL FFRDC'S	FFRDC'S ADMIN BY INDUS-TRIAL FIRMS	FFRDC'S ADMIN BY UNIV & COL	FFRDC'S ADMIN BY OTHER NONPROFIT INSTS	TOTAL, ALL FFRDC'S	FFRDC'S ADMIN BY INDUS-TRIAL FIRMS	FFRDC'S ADMIN BY UNIV & COL	FFRDC'S ADMIN BY OTHER NONPROFIT INSTS
TOTAL, ALL AGENCIES	4,860,377	1,687,650	2,467,578	705,149	733,441	223,063	504,089	6,289
DEPARTMENT OF COMMERCE, TOTAL	300	-	300	-	-	-	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	300	-	300	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	1,060,671	137,292	330,185	593,194	4,300	-	4,300	-
DEPARTMENT OF THE ARMY	161,795	6,506	136,104	19,145	-	-	-	-
DEPARTMENT OF THE NAVY	162,357	127,283	10,763	24,311	-	-	-	-
DEPARTMENT OF THE AIR FORCE	641,764	300	141,062	500,402	-	-	-	-
DEFENSE AGENCIES	90,087	3,203	42,256	44,628	4,300	-	4,300	-
DIRECTOR OF TEST & EVALUATION, DEFENSE	4,708	-	-	4,708	-	-	-	-
DEPARTMENT OF ENERGY	3,266,971	1,409,586	1,759,909	97,476	707,641	222,063	479,289	6,289
DEPT OF HLTH & HUMAN SERVICES, TOTAL	69,600	41,841	23,661	4,098	1,000	1,000	-	-
NATIONAL INSTITUTES OF HEALTH	69,600	41,841	23,661	4,098	1,000	1,000	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	2,910	2,900	-	10	-	-	-	-
BUREAU OF MINES	2,700	2,700	-	-	-	-	-	-
BUREAU OF RECLAMATION	10	-	-	10	-	-	-	-
MINERAL MANAGEMENT SERVICE	200	200	-	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	10,307	-	10,057	250	-	-	-	-
COAST GUARD	175	-	175	-	-	-	-	-
FEDERAL AVIATION ADMINISTRATION	9,382	-	9,382	-	-	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	500	-	500	-	-	-	-	-
MARITIME ADMINISTRATION	250	-	-	250	-	-	-	-
OTHER AGENCIES								
FEDERAL EMERGENCY MANAGEMENT AGENCY	1,252	56	1,128	68	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	213,599	-	213,099	500	16,800	-	16,800	-
NATIONAL SCIENCE FOUNDATION	106,985	3,640	103,047	298	3,700	-	3,700	-
NUCLEAR REGULATORY COMMISSION	127,477	92,315	26,102	9,060	-	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	305	20	90	195	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-13. FEDERAL OBLIGATIONS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT TO FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS (FFRDCS), BY INDIVIDUAL FFRDC AND AGENCY: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS	TOTAL	DEPT OF COMMERCE	DEPT OF DEFENSE	DEPT OF ENERGY	DEPT OF HEALTH & HUMAN SERVICES	NATIONAL AERO-NAUTICS & SPACE ADMIN	NATIONAL SCIENCE FOUNDATION	OTHER
TOTAL, ALL FFRDC'S	4,875,690	834	989,506	3,390,947	59,037	181,332	76,507	177,527
FFRDC'S ADMIN BY INDUSTRIAL FIRMS	1,667,621	-	129,397	1,382,818	35,112	-	1,768	118,526
BETTIS ATOMIC POWER LAB	241,143	-	56,366	184,777	-	-	-	-
ENERGY TECH ENGINEERING CTR	37,970	-	-	37,970	-	-	-	-
FREDERICK CANCER RSCH CENTER	33,918	-	-	-	33,918	-	-	-
HANFORD ENGINEERING DEV LAB	135,633	-	330	133,964	-	-	-	1,339
IDAHO NAT'L ENGINEERING LAB	152,034	-	-	88,772	-	-	-	63,262
KNOLLS ATOMIC POWER LAB	222,200	-	49,073	174,127	-	-	-	-
OAK RIDGE NATIONAL LAB	268,565	-	506	243,680	1,194	-	1,768	21,417
SANDIA NATIONAL LABORATORIES	523,789	-	23,122	448,159	-	-	-	32,508
SAVANNAH RIVER LABORATORY	51,369	-	-	51,369	-	-	-	-
FFRDC'S ADMIN BY UNIVS & CBLS	2,618,890	834	393,846	1,907,833	20,274	180,837	74,689	40,577
AMES LABORATORY	18,247	-	1,047	17,200	-	-	-	-
ARGONNE NATIONAL LABORATORY	207,367	180	373	198,825	587	-	-	7,402
BROOKHAVEN NATIONAL LAB	168,303	218	171	155,394	4,212	-	345	7,963
CENTER FOR NAVAL ANALYSES	18,451	-	18,451	-	-	-	-	-
CERRO TOLOLO INTER-AMERICAN OBS	6,460	-	-	-	-	-	6,460	-
E.O. LAWRENCE BERKELEY LAB	126,147	52	7,040	107,748	10,045	-	147	1,115
E.O. LAWRENCE LIVERMORE NAT'L LAB	603,049	91	37,851	457,523	1,229	-	-	6,355
FERMILAB	174,532	-	-	174,502	-	-	30	-
JET PROPULSION LABORATORY	226,445	-	29,262	13,082	785	180,567	46	2,703
KITT PEAK NAT'L OBSERVATORY	11,695	-	-	-	-	-	11,695	-
LINCOLN LABORATORY	284,950	-	281,476	-	-	270	-	3,204
LOS ALAMOS NATIONAL LAB	484,012	-	18,160	455,238	2,439	-	340	11,835
NAT'L ASTRONOMY & IONOSPHERE CTR	5,110	-	-	-	-	-	5,110	-
NAT'L CENTER FOR ATMOSPHERIC RSCH	32,849	293	-	-	-	-	32,556	-
NAT'L RADIO ASTRONOMY OBSERVATORY	15,900	-	-	-	-	-	15,900	-
OAK RIDGE ASSOCIATED UNIVERSITIES	8,830	-	15	8,156	659	-	-	-
PLASMA PHYSICS LABORATORY	133,531	-	-	133,531	-	-	-	-
SACRAMENTO PEAK OBSERVATORY	2,100	-	-	-	-	-	2,100	-
STANFORD LINEAR ACCELERATOR CTR	86,952	-	-	86,634	318	-	-	-
FFRDC'S ADMIN BY OTHER NONPROFIT INSTS	589,179	-	466,263	100,296	3,651	495	50	18,424
AEROSPACE CORPORATION	241,532	-	240,933	307	-	292	-	-
INST FOR DEFENSE ANALYSES	18,084	-	18,048	-	-	-	-	36
MITRE CORP - C3 DIVISION	190,280	-	190,230	-	-	-	-	50
PACIFIC NORTHWEST LABORATORY	80,089	-	331	57,556	3,651	203	50	18,298
RAND - PROJECT AIR FORCE	16,721	-	16,721	-	-	-	-	-
SOLAR ENERGY RESEARCH INST	42,473	-	-	42,433	-	-	-	40

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-14. FEDERAL OBLIGATIONS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT TO FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS (FFRDCS), BY CATEGORY OF FFRDC, INDIVIDUAL FFRDC AND AGENCY: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS	TOTAL	DEPT OF COMMERCE	DEPT OF DEFENSE	DEPT OF ENERGY	DEPT OF HEALTH & HUMAN SERVICES	NATIONAL AERO-NAUTICS & SPACE ADMIN	NATIONAL SCIENCE FOUNDATION	OTHER
TOTAL, ALL FFRDC'S	4,875,690	834	989,506	3,390,947	59,037	181,332	76,507	177,527
RESEARCH LABORATORIES	369,476	293	-	261,136	34,236	-	73,811	-
FERMILAB	174,532	-	-	174,502	-	-	30	-
STANFORD LINEAR ACCELERATOR CTR	86,952	-	-	86,634	318	-	-	-
FREDERICK CANCER RSCH CENTER	33,918	-	-	-	33,918	-	-	-
CERRO TOLOLO INTER-AMERICAN OBS	6,460	-	-	-	-	-	6,460	-
KITT PEAK NAT'L OBSERVATORY	11,695	-	-	-	-	-	11,695	-
NAT'L ASTRONOMY & IONOSPHERE CTR	5,110	-	-	-	-	-	5,110	-
NAT'L CENTER FOR ATMOSPHERIC RSCH	32,849	293	-	-	-	-	32,556	-
NAT'L RADIO ASTRONOMY OBSERVATORY	15,900	-	-	-	-	-	15,900	-
SACRAMENTO PEAK OBSERVATORY	2,100	-	-	-	-	-	2,100	-
R & D LABORATORIES	4,021,146	541	905,123	3,129,904	24,801	181,040	2,696	177,441
LINCOLN LABORATORY	284,950	-	281,476	-	-	270	-	3,204
AMES LABORATORY	18,247	-	1,047	17,200	-	-	-	-
ARGONNE NATIONAL LABORATORY	207,367	180	373	198,825	587	-	-	7,402
BETTIS ATOMIC POWER LAB	241,143	-	56,366	184,777	-	-	-	-
BROOKHAVEN NATIONAL LAB	168,303	214	171	155,294	4,212	-	345	7,963
E.O. LAWRENCE BERKELEY LAB	126,147	42	7,040	107,748	10,045	-	147	1,115
E.O. LAWRENCE LIVERMORE NAT'L LAB	403,049	91	37,851	357,523	1,229	-	-	6,395
ENERGY TECH ENGINEERING CTR	37,970	-	-	37,970	-	-	-	-
HANFORD ENGINEERING DEV LAB	185,633	-	330	123,964	-	-	-	1,339
IDAHO NAT'L ENGINEERING LAB	152,034	-	-	88,772	-	-	-	63,262
KNOLLS ATOMIC POWER LAB	223,200	-	49,073	174,127	-	-	-	-
LOS ALAMOS NATIONAL LAB	488,012	-	18,160	458,238	2,439	-	340	11,835
OAK RIDGE ASSOCIATED UNIVERSITIES	8,830	-	15	8,156	659	-	-	-
OAK RIDGE NATIONAL LAB	268,565	-	506	243,640	1,194	-	1,768	21,417
PACIFIC NORTHWEST LABORATORY	80,089	-	331	57,226	3,651	203	90	18,298
PLASMA PHYSICS LABORATORY	133,731	-	-	133,731	-	-	-	-
SANDIA NATIONAL LABORATORIES	523,189	-	23,122	468,159	-	-	-	32,508
SAVANNAH RIVER LABORATORY	51,369	-	-	51,369	-	-	-	-
SOLAR ENERGY RESEARCH INST	42,473	-	-	42,433	-	-	-	40
JET PROPULSION LABORATORY	226,445	-	29,262	13,082	785	180,567	44	2,703
STUDY AND ANALYSIS CENTERS	53,256	-	53,220	-	-	-	-	36
CENTER FOR NAVAL ANALYSES	18,451	-	18,451	-	-	-	-	-
INST FOR DEFENSE ANALYSES	18,084	-	18,048	-	-	-	-	36
RAND - PROJECT AIR FORCE	16,721	-	16,721	-	-	-	-	-
SYSTEM ENGINEERING/INTEGRATION CNTRS	431,812	-	431,163	307	-	292	-	50
AEROSPACE CORPORATION	241,532	-	240,933	307	-	292	-	-
MITRE CORP - C3 DIVISION	190,280	-	190,230	-	-	-	-	50

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-15. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL							
			UNITED STATES AND TERRITORIES							FOREIGN
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	
TOTAL, ALL AGENCIES	14,253,525	4,710,299	2,152,616	522,649	4,467,944	1,211,640	836,904	85,152	136,746	129,615
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	817,558	531,813	1,623	-	272,832	65	2,558	-	2,351	6,316
AGRICULTURAL COOPERATIVE SERVICE	2,148	1,752	-	-	393	-	-	-	-	-
AGRICULTURAL MARKETING SERVICE	1,147	802	-	-	345	-	-	-	-	-
AGRICULTURAL RESEARCH SERVICE	417,900	377,852	-	-	34,896	-	1,340	-	1,283	2,429
COOPERATIVE STATE RESEARCH SERVICE	232,287	6,900	-	-	223,598	65	960	-	764	-
ECONOMIC RESEARCH SERVICE	38,777	36,226	-	-	2,551	-	-	-	-	-
FOREST SERVICE	103,900	94,546	403	-	8,557	-	158	-	204	32
HUMAN NUTRITION INFORMATION SERVICE	8,200	5,100	1,200	-	1,800	-	100	-	-	-
OFF OF INTERNAT'L COOPERATION & DEV.	4,838	983	-	-	-	-	-	-	-	3,855
OFFICE OF TRANSPORTATION	764	764	-	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE	7,600	6,888	20	-	692	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	284,841	214,629	11,977	-	47,768	834	2,901	-	6,354	378
BUREAU OF THE CENSUS	2,218	2,132	-	-	86	-	-	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION	1,300	1,080	780	-	2,745	-	245	-	450	-
NATIONAL BUREAU OF STANDARDS	81,454	76,453	1,267	-	3,098	52	556	-	-	28
NAT'L OCEANIC & ATMOSPHERIC ADMIN	188,931	128,087	9,930	-	41,839	782	2,100	-	5,904	319
NAT'L TELECOMM & INFORMATION ADMIN	6,906	6,906	-	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	32	1	-	-	-	-	-	-	-	31
DEPARTMENT OF DEFENSE, TOTAL	3,222,649	1,261,616	1,209,177	88,146	472,203	81,801	81,517	15,527	60	12,802
DEPARTMENT OF THE ARMY	693,611	428,739	150,360	183	90,779	3,297	14,716	377	-	5,160
DEPARTMENT OF THE NAVY	847,000	403,501	144,933	76,787	165,077	3,570	9,831	1,675	-	1,626
DEPARTMENT OF THE AIR FORCE	688,400	184,007	337,375	245	137,758	2,782	21,602	1,323	60	3,248
DEFENSE AGENCIES	1,013,638	245,169	556,509	10,931	78,589	72,152	35,368	12,152	-	2,768
DEPARTMENT OF EDUCATION	76,067	7,444	4,216	-	39,181	-	21,421	-	3,234	571
DEPARTMENT OF ENERGY	1,961,127	126,520	242,045	283,692	273,375	951,116	26,498	47,033	4,354	6,494
DEPT OF HLTH & HUMAN SERVICES, TOTAL	4,020,846	966,501	99,684	30,605	2,281,060	15,867	546,065	3,651	55,098	22,315
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	300,352	124,915	10,313	-	127,603	75	24,740	-	11,801	905
CENTERS FOR DISEASE CONTROL	78,164	41,436	6,941	-	5,152	-	14,109	-	285	241
FOOD & DRUG ADMINISTRATION	74,200	67,070	-	-	3,647	-	3,411	-	-	72
HEALTH CARE FINANCING ADMIN	30,208	1,065	6,234	-	6,098	-	12,385	-	4,426	-
HEALTH RESOURCES AND SERVICES ADMINISTRATION	11,003	1,948	-	-	7,249	-	1,711	-	95	-
HUMAN DEVELOPMENT SERVICES	6,871	990	906	-	1,044	-	2,579	-	1,339	8
NATIONAL INSTITUTES OF HEALTH	3,478,205	704,543	71,458	30,505	2,118,747	15,792	477,981	3,651	34,563	20,865
OFFICE OF ASST'T SECY FOR HEALTH	16,624	6,305	1,330	-	7,375	-	1,390	-	-	224
OFFICE OF THE SECRETARY	14,441	2,116	1,422	-	3,425	-	7,452	-	26	-
SOCIAL SECURITY ADMINISTRATION	10,778	6,113	1,080	-	715	-	307	-	2,563	-
DEPT OF HOUSING & URBAN DEVELOPMENT	11,299	1,005	4,593	-	925	-	3,856	-	880	-
DEPARTMENT OF THE INTERIOR, TOTAL	357,708	295,017	16,175	3,050	27,564	40	683	40	54,162	977
BUREAU OF LAND MANAGEMENT	1,974	1,820	-	-	154	-	-	-	-	-
BUREAU OF MINES	79,370	52,039	12,143	2,850	11,710	-	628	-	-	-
BUREAU OF RECLAMATION	8,843	6,983	853	-	880	-	-	40	92	-
GEOLOGICAL SURVEY	154,656	144,824	2,100	-	7,692	40	-	-	-	-
MINERAL MANAGEMENT SERVICE	1,500	335	125	200	840	-	-	-	-	-
NATIONAL PARK SERVICE	13,746	10,924	-	-	3,137	-	55	-	-	-
OFFICE OF THE SECRETARY	7,379	52	-	-	-	-	-	-	4,350	977
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	1,478	465	778	-	235	-	-	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	7,211	519	176	-	516	-	-	-	-	-
US FISH & WILDLIFE SERVICE	87,546	37,426	-	-	2,400	-	-	-	47,720	-
DEPARTMENT OF JUSTICE, TOTAL	20,700	984	2,374	-	6,475	-	10,342	-	565	-
DRUG ENFORCEMENT ADMINISTRATION	900	300	600	-	-	-	-	-	-	-
FEDERAL PRISON SYSTEM	1,290	490	-	-	630	-	170	-	-	-
IMMIGRATION & NATURALIZATION SVC	300	40	260	-	-	-	-	-	-	-
OFF OF JUSTICE ASSIST., RSCH, & STAT	18,010	152	1,366	-	5,755	-	10,172	-	565	-
OFFICE OF LEGAL POLICY	200	2	148	-	90	-	-	-	-	-
DEPARTMENT OF LABOR, TOTAL	17,943	5,439	5,541	-	6,392	-	445	-	116	10
BUREAU OF LABOR STATISTICS	665	665	-	-	-	-	-	-	-	-
EMPLOYMENT STANDARDS ADMINISTRATION	1,400	800	368	-	232	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	7,907	1,120	54	-	6,160	-	445	-	116	10
LABOR-MANAGEMENT SERVICES ADMIN	882	882	-	-	-	-	-	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	5,264	426	4,838	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	1,525	1,525	-	-	-	-	-	-	-	-
PENSION BENEFIT GUARANTEE CORPORATION	300	21	279	-	-	-	-	-	-	-

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TABLE C-15. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL: UNITED STATES AND TERRITORIES: INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	FOREIGN
DEPARTMENT OF STATE, TOTAL	1,488	812	647	-	29	-	-	-	-	-
DEPARTMENTAL FUNDS	1,488	812	647	-	29	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	72,596	17,626	38,540	-	8,363	362	2,896	-	4,748	61
COAST GUARD	1,165	669	30	-	-	362	-	-	43	61
FEDERAL AVIATION ADMINISTRATION	12,500	2,814	9,686	-	-	-	-	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	7,300	500	4,193	-	620	-	1,000	-	987	-
FEDERAL RAILROAD ADMINISTRATION	2,800	1,564	1,196	-	-	-	40	-	-	-
MARITIME ADMINISTRATION	6,200	330	5,470	-	400	-	-	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	21,400	6,549	11,033	-	1,490	-	1,002	-	1,326	-
OFFICE OF THE SECRETARY	300	20	40	-	240	-	-	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN	2,600	1,250	100	-	1,250	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN	18,331	3,930	6,792	-	4,363	-	854	-	2,392	-
DEPARTMENT OF THE TREASURY, TOTAL	10,186	7,605	2,123	-	198	-	260	-	-	-
BUREAU OF ENGRAVING AND PRINTING	2,000	1,580	420	-	-	-	-	-	-	-
INTERNAL REVENUE SERVICE	7,894	5,993	1,703	-	198	-	-	-	-	-
OFFICE OF PROTECTIVE RESEARCH	292	32	-	-	-	-	260	-	-	-
OTHER AGENCIES										
ADVISORY COMM ON INTERGOV'TL RELATIONS	2,110	2,110	-	-	-	-	-	-	-	-
AGENCY FOR INTERNAT'L DEVELOPMENT	156,675	11,056	12,470	-	34,666	-	27,078	742	200	70,413
APPALACHIAN REGIONAL COMMISSION	247	15	162	-	-	-	-	-	70	-
CONSUMER PRODUCT SAFETY COMMISSION	320	320	-	-	-	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	174,997	69,671	60,861	-	38,237	-	5,052	-	576	200
FEDERAL COMMUNICATIONS COMMISSION	1,332	1,270	12	-	50	-	-	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY	3,319	1,183	1,112	30	201	604	117	36	36	-
FEDERAL HOME LOAN BANK BOARD	3,038	2,792	-	-	246	-	-	-	-	-
FEDERAL TRADE COMMISSION	1,364	1,364	-	-	-	-	-	-	-	-
GENERAL SERVICES ADMINISTRATION	295	295	-	-	-	-	-	-	-	-
INTERNATIONAL TRADE COMMISSION	4,672	4,672	-	-	-	-	-	-	-	-
LIBRARY OF CONGRESS	1,337	1,337	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	1,544,820	852,941	404,289	-	169,681	53,314	56,525	467	2,152	5,451
NATIONAL SCIENCE FOUNDATION	1,061,990	130,756	26,062	1,768	783,102	74,689	41,644	50	1,730	2,189
NUCLEAR REGULATORY COMMISSION	207,295	23,358	8,460	115,323	5,129	32,858	3,163	17,506	60	1,438
SMITHSONIAN INSTITUTION	55,960	55,960	-	-	-	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY	12,300	10,400	-	-	-	-	1,900	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	839	45	507	35	67	90	45	50	-	-
UNITED STATES INFORMATION AGENCY	7	1	6	-	-	-	-	-	-	-
VETERANS ADMINISTRATION	146,100	143,962	-	-	200	-	1,938	-	-	-

1/ INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-16. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1984 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL							
			UNITED STATES AND TERRITORIES							FOREIGN
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	
TOTAL, ALL AGENCIES	15,108,301	4,981,456	2,120,167	481,473	5,006,235	1,276,723	881,793	81,800	152,470	126,184
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	842,036	549,185	1,466	-	277,091	-	1,537	-	2,390	10,367
AGRICULTURAL COOPERATIVE SERVICE	2,180	1,680	-	-	500	-	-	-	-	-
AGRICULTURAL MARKETING SERVICE	1,250	1,250	-	-	-	-	-	-	-	-
AGRICULTURAL RESEARCH SERVICE	427,400	386,966	-	-	34,917	-	1,395	-	1,436	2,686
COOPERATIVE STATE RESEARCH SERVICE	237,655	7,511	-	-	229,374	-	-	-	770	-
ECONOMIC RESEARCH SERVICE	44,329	42,329	-	-	2,000	-	-	-	-	-
FOREST SERVICE	105,300	96,177	366	-	8,400	-	142	-	184	31
HUMAN NUTRITION INFORMATION SERVICE	6,100	3,800	1,100	-	1,200	-	-	-	-	-
OFF OF INTERNAT'L COOPERATION & DEV.	8,732	1,082	-	-	-	-	-	-	-	7,650
OFFICE OF TRANSPORTATION	890	890	-	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE	8,200	7,500	-	-	700	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	293,166	218,473	13,090	-	49,059	618	2,963	250	7,500	1,213
BUREAU OF THE CENSUS	2,321	2,118	-	-	203	-	-	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION	5,300	1,080	660	-	3,000	-	160	-	400	-
NATIONAL BUREAU OF STANDARDS	82,291	76,791	1,920	-	3,030	50	500	-	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	194,567	130,870	10,510	-	42,826	568	2,303	250	7,100	140
NAT'L TELECOMM & INFORMATION ADMIN	7,594	7,594	-	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	1,093	20	-	-	-	-	-	-	-	1,073
DEPARTMENT OF DEFENSE, TOTAL	2,984,774	1,155,291	1,079,605	65,079	510,496	79,675	71,694	10,351	100	12,483
DEPARTMENT OF THE ARMY	673,347	401,595	148,861	-	100,487	2,364	13,884	90	-	6,066
DEPARTMENT OF THE NAVY	734,600	341,755	148,403	57,399	172,932	3,400	6,461	2,108	-	142
DEPARTMENT OF THE AIR FORCE	702,000	191,742	325,295	270	154,880	2,400	23,638	200	100	3,475
DEFENSE AGENCIES	874,827	220,199	457,046	5,410	82,197	71,511	27,711	7,953	-	2,800
DEPARTMENT OF EDUCATION	87,366	7,088	3,999	-	49,082	-	22,742	-	3,020	1,435
DEPARTMENT OF ENERGY	2,073,404	161,616	255,738	275,439	288,066	1,001,793	24,930	51,275	11,299	3,288
DEPT OF HLTH & HUMAN SERVICES, TOTAL	4,498,963	1,069,217	121,557	34,708	2,562,228	20,186	597,922	4,037	99,898	29,210
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	343,770	132,177	12,311	-	145,860	-	36,110	-	15,857	1,455
CENTERS FOR DISEASE CONTROL	83,512	55,185	6,500	-	5,400	-	15,699	-	400	328
FOOD & DRUG ADMINISTRATION	79,300	71,600	-	-	3,920	-	3,700	-	-	80
HEALTH CARE FINANCING ADMIN	31,000	3,109	15,572	-	4,107	-	6,028	-	2,184	-
HEALTH RESOURCES AND SERVICES ADMINISTRATION	15,570	1,720	-	-	11,274	2,453	-	-	113	-
HUMAN DEVELOPMENT SERVICES	4,457	948	746	-	858	-	2,053	-	846	6
NATIONAL INSTITUTES OF HEALTH	3,894,093	784,214	78,779	34,708	2,382,919	17,733	528,115	4,037	37,602	25,986
OFFICE OF ASST'T SECY FOR HEALTH	19,185	8,952	1,456	-	5,900	-	1,492	-	-	1,385
OFFICE OF THE SECRETARY	9,500	2,500	1,500	-	1,000	-	4,500	-	-	-
SOCIAL SECURITY ADMINISTRATION	17,606	8,802	4,693	-	990	-	225	-	2,896	-
DEPT OF HOUSING & URBAN DEVELOPMENT	10,487	933	4,279	-	860	-	3,587	-	828	-
DEPARTMENT OF THE INTERIOR, TOTAL	400,997	290,936	15,172	2,900	35,796	-	800	30	54,324	1,039
BUREAU OF LAND MANAGEMENT	2,038	1,864	-	-	174	-	-	-	-	-
BUREAU OF MINES	104,730	79,080	10,252	2,700	11,898	-	800	-	-	-
BUREAU OF RECLAMATION	10,040	6,622	1,609	-	1,775	-	-	30	4	-
GEOLOGICAL SURVEY	166,211	151,596	2,434	-	12,181	-	-	-	-	-
MINERAL MANAGEMENT SERVICE	1,500	335	125	200	840	-	-	-	-	-
NATIONAL PARK SERVICE	14,000	10,000	-	-	4,000	-	-	-	-	-
OFFICE OF THE SECRETARY	1,155	116	-	-	-	-	-	-	-	1,039
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	970	640	252	-	39	-	-	-	39	-
OFFICE OF WATER RSCH & TECHNOLOGY	3,944	955	500	-	2,489	-	-	-	-	-
US FISH & WILDLIFE SERVICE	96,409	39,728	-	-	2,400	-	-	-	54,281	-
DEPARTMENT OF JUSTICE, TOTAL	22,726	1,004	1,500	-	6,129	-	13,293	-	800	-
DRUG ENFORCEMENT ADMINISTRATION	800	300	500	-	-	-	-	-	-	-
FEDERAL PRISON SYSTEM	1,200	490	-	-	180	-	530	-	-	-
IMMIGRATION & NATURALIZATION SVC	400	40	360	-	-	-	-	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	19,926	170	500	-	5,821	-	12,635	-	800	-
OFFICE OF LEGAL POLICY	400	4	140	-	128	-	128	-	-	-
DEPARTMENT OF LABOR, TOTAL	17,420	6,030	5,757	-	4,810	-	723	-	100	-
BUREAU OF LABOR STATISTICS	547	547	-	-	-	-	-	-	-	-
EMPLOYMENT STANDARDS ADMINISTRATION	935	835	90	-	10	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	6,937	1,600	314	-	4,200	-	723	-	100	-
LABOR-MANAGEMENT SERVICES ADMIN	1,926	926	400	-	600	-	-	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	5,075	400	4,675	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	1,700	1,700	-	-	-	-	-	-	-	-
PENSION BENEFIT GUARANTEE CORPORATION	300	22	278	-	-	-	-	-	-	-

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TABLE C-16. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1984 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL							
			UNITED STATES AND ITS ENTITIES							FOREIGN
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	
DEPARTMENT OF STATE, TOTAL	1,567	807	686	-	30	-	44	-	-	-
DEPARTMENTAL FUNDS	1,567	807	686	-	30	-	44	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	82,990	21,633	44,756	-	5,449	25	3,322	-	7,186	219
COAST GUARD	3,299	2,149	1,125	-	-	25	-	-	-	-
FEDERAL AVIATION ADMINISTRATION	18,900	2,520	16,380	-	-	-	-	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	7,900	500	4,605	-	595	-	1,000	-	1,200	-
FEDERAL RAILROAD ADMINISTRATION	5,400	3,565	1,760	-	-	-	75	-	-	-
MARITIME ADMINISTRATION	3,700	923	2,210	-	285	-	63	-	-	219
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	24,200	7,410	12,844	-	1,729	-	1,323	-	1,394	-
OFFICE OF THE SECRETARY	300	20	40	-	240	-	-	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN	1,800	1,200	200	-	400	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN	15,991	3,346	4,592	-	2,200	-	861	-	4,592	-
DEPARTMENT OF THE TREASURY, TOTAL	10,630	7,826	2,504	-	300	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING	2,400	1,920	480	-	-	-	-	-	-	-
INTERNAL REVENUE SERVICE	8,080	5,756	2,024	-	300	-	-	-	-	-
OFFICE OF PROTECTIVE RESEARCH	150	150	-	-	-	-	-	-	-	-
OTHER AGENCIES										
ADVISORY COMM ON INTERGOV'TL RELATIONS	2,064	2,064	-	-	-	-	-	-	-	-
AGENCY FOR INTERNAT'L DEVELOPMENT	170,619	6,268	8,517	-	77,686	-	21,556	-	-	56,592
APPALACHIAN REGIONAL COMMISSION	350	25	275	-	-	-	-	-	50	-
CONSUMER PRODUCT SAFETY COMMISSION	504	504	-	-	-	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	177,890	71,397	61,390	-	38,528	-	5,349	-	1,026	200
FEDERAL COMMUNICATIONS COMMISSION	1,498	1,448	-	-	50	-	-	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY	3,300	1,170	1,106	29	204	601	116	36	36	-
FEDERAL HOME LOAN BANK BOARD	2,970	2,770	-	-	200	-	-	-	-	-
FEDERAL TRADE COMMISSION	1,558	1,558	-	-	-	-	-	-	-	-
GENERAL SERVICES ADMINISTRATION	357	310	47	-	-	-	-	-	-	-
INTERNATIONAL TRADE COMMISSION	4,584	4,584	-	-	-	-	-	-	-	-
LIBRARY OF CONGRESS	1,399	1,399	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	1,701,164	939,287	439,162	-	188,200	43,082	62,198	470	2,225	6,540
NATIONAL SCIENCE FOUNDATION	1,238,480	137,825	43,552	3,264	906,945	99,075	43,881	75	1,708	2,155
NUCLEAR REGULATORY COMMISSION	190,862	21,899	13,451	100,034	4,764	31,598	2,372	15,081	20	1,443
SMITHSONIAN INSTITUTION	63,758	63,758	-	-	-	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY	13,000	11,000	-	-	-	-	2,000	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	1,465	130	890	20	60	70	100	195	-	-
UNITED STATES INFORMATION AGENCY	1,493	25	1,468	-	-	-	-	-	-	-
VETERANS ADMINISTRATION	204,900	204,036	-	-	200	-	664	-	-	-

1/ INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-17. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1985 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL							
			UNITED STATES AND ITS POSSESSIONS							
			INDUSTRIAL FIRMS	FFRDCs ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCs ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCs ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	FOREIGN
TOTAL, ALL AGENCIES	16,034,220	5,263,758	2,289,221	522,567	5,322,998	1,330,618	909,782	87,518	150,857	157,301
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	869,703	556,660	2,740	-	298,585	-	1,630	-	2,392	7,701
AGRICULTURAL COOPERATIVE SERVICE	1,426	1,426	-	-	-	-	-	-	-	-
AGRICULTURAL RESEARCH SERVICE	441,300	396,640	-	-	38,752	-	1,397	-	1,439	3,072
COOPERATIVE STATE RESEARCH SERVICE	256,785	7,672	-	-	248,333	-	-	-	780	-
ECONOMIC RESEARCH SERVICE	47,480	45,880	-	-	1,600	-	-	-	-	-
FOREST SERVICE	100,040	91,465	340	-	7,900	-	133	-	173	29
HUMAN NUTRITION INFORMATION SERVICE	7,500	3,800	2,400	-	1,200	-	100	-	-	-
OFF OF INTERNAT'L COOPERATION & DEV.	5,790	1,190	-	-	-	-	-	-	-	4,600
OFFICE OF TRANSPORTATION	887	887	-	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE	8,500	7,700	-	-	800	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	219,603	192,575	8,568	-	15,325	300	1,846	-	189	780
BUREAU OF THE CENSUS	2,739	2,603	-	-	136	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	81,543	76,263	2,100	-	2,630	-	250	-	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	127,216	105,144	6,468	-	12,559	300	1,316	-	189	240
NAT'L TELECOMM & INFORMATION ADMIN	7,545	7,545	-	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	560	20	-	-	-	-	-	-	-	540
DEPARTMENT OF DEFENSE, TOTAL	3,319,399	1,355,027	1,133,236	89,987	580,367	54,911	78,311	13,531	100	13,929
DEPARTMENT OF THE ARMY	802,615	452,289	204,235	-	118,315	6,411	14,427	927	-	5,981
DEPARTMENT OF THE NAVY	852,200	394,576	142,237	86,484	192,985	3,644	7,180	2,931	-	163
DEPARTMENT OF THE AIR FORCE	783,400	199,317	383,103	300	168,125	2,600	25,895	200	100	3,800
DEFENSE AGENCIES	881,184	308,845	383,661	3,203	100,942	42,256	30,819	9,473	-	3,985
DEPARTMENT OF EDUCATION	77,180	7,042	4,395	-	41,626	-	21,309	-	1,873	935
DEPARTMENT OF ENERGY	2,213,481	169,836	279,020	295,644	308,815	1,061,724	24,377	59,638	11,275	3,160
DEPT OF HLTH & HUMAN SERVICES, TOTAL	4,605,063	1,082,858	125,985	38,003	2,626,930	19,211	618,039	4,098	62,200	27,739
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	353,268	132,215	14,171	-	150,527	-	38,367	-	16,498	1,490
CENTERS FOR DISEASE CONTROL	83,982	62,680	6,500	-	5,403	-	15,699	-	400	303
FOOD & DRUG ADMINISTRATION	81,000	73,320	-	-	3,900	-	3,700	-	-	80
HEALTH CARE FINANCING ADMIN	35,000	2,885	16,610	-	4,620	-	8,435	-	2,450	-
HEALTH RESOURCES AND SERVICES ADMINISTRATION	3,920	1,780	-	-	1,940	-	200	-	-	-
HUMAN DEVELOPMENT SERVICES	3,236	284	220	-	251	-	1,408	-	970	3
NATIONAL INSTITUTES OF HEALTH	4,003,029	799,915	79,617	38,003	2,453,450	19,211	544,772	4,098	39,300	24,663
OFFICE OF ASST'T SECY FOR HEALTH	17,400	8,170	1,172	-	4,500	-	1,358	-	-	1,200
OFFICE OF THE SECRETARY	7,500	1,500	1,000	-	1,000	-	4,000	-	-	-
SOCIAL SECURITY ADMINISTRATION	16,728	7,009	6,695	-	342	-	100	-	2,582	-
DEPT OF HOUSING & URBAN DEVELOPMENT	11,107	986	4,532	-	911	-	3,799	-	879	-
DEPARTMENT OF THE INTERIOR, TOTAL	351,318	262,476	9,700	2,900	17,943	-	800	10	57,489	-
BUREAU OF LAND MANAGEMENT	1,780	1,680	-	-	100	-	-	-	-	-
BUREAU OF MINES	64,636	54,382	5,454	2,700	1,300	-	800	-	-	-
BUREAU OF RECLAMATION	10,738	7,463	1,727	-	1,438	-	-	10	100	-
GEOLOGICAL SURVEY	150,920	142,888	1,810	-	6,222	-	-	-	-	-
MINERAL MANAGEMENT SERVICE	1,800	335	225	200	1,040	-	-	-	-	-
NATIONAL PARK SERVICE	14,500	10,500	-	-	4,000	-	-	-	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	2,967	640	484	-	1,843	-	-	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	469	469	-	-	-	-	-	-	-	-
US FISH & WILDLIFE SERVICE	101,508	42,119	-	-	2,000	-	-	-	57,389	-
DEPARTMENT OF JUSTICE, TOTAL	14,948	858	2,220	-	3,980	-	6,790	-	1,100	-
DRUG ENFORCEMENT ADMINISTRATION	700	200	500	-	-	-	-	-	-	-
FEDERAL PRISON SYSTEM	1,100	490	-	-	180	-	430	-	-	-
IMMIGRATION & NATURALIZATION SVC	200	40	160	-	-	-	-	-	-	-
OFF OF JUSTICE ASSIST., RSCH, & STAT	12,848	127	1,500	-	3,800	-	6,321	-	1,100	-
OFFICE OF LEGAL POLICY	100	1	60	-	-	-	39	-	-	-
DEPARTMENT OF LABOR, TOTAL	18,357	6,114	6,343	-	5,061	-	739	-	100	-
BUREAU OF LABOR STATISTICS	621	621	-	-	-	-	-	-	-	-
EMPLOYMENT STANDARDS ADMINISTRATION	963	863	100	-	-	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	6,976	1,426	412	-	4,299	-	739	-	100	-
LABOR-MANAGEMENT SERVICES ADMIN	2,522	972	788	-	762	-	-	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	5,075	400	4,675	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	1,800	1,800	-	-	-	-	-	-	-	-
PENSION BENEFIT GUARANTEE CORPORATION	400	32	368	-	-	-	-	-	-	-

CONTINUED ON NEXT PAGE

TABLE C-11. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1985 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL: UNITED STATES AND TERRITORIES: INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	FOREIGN
DEPARTMENT OF STATE, TOTAL	1,670	885	721	-	30	-	34	-	-	-
DEPARTMENTAL FUNDS	1,670	885	721	-	30	-	34	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	80,030	21,094	42,647	-	5,578	25	2,952	250	7,434	50
COAST GUARD	4,625	2,949	1,601	-	-	25	-	-	-	50
FEDERAL AVIATION ADMINISTRATION	19,700	4,334	15,366	-	-	-	-	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	9,100	500	5,600	-	800	-	1,000	-	1,200	-
FEDERAL RAILROAD ADMINISTRATION	2,700	1,450	1,225	-	-	-	25	-	-	-
MARITIME ADMINISTRATION	3,300	350	2,300	-	300	-	-	250	100	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	27,400	8,220	14,522	-	1,918	-	1,040	-	1,700	-
OFFICE OF THE SECRETARY	300	20	20	-	260	-	-	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN	600	500	100	-	-	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN	12,305	2,771	1,913	-	2,300	-	887	-	4,434	-
DEPARTMENT OF THE TREASURY, TOTAL	21,368	15,876	5,249	-	243	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING	2,600	2,060	540	-	-	-	-	-	-	-
INTERNAL REVENUE SERVICE	18,618	13,666	4,709	-	243	-	-	-	-	-
OFFICE OF PROTECTIVE RESEARCH	150	150	-	-	-	-	-	-	-	-
OTHER AGENCIES										
ADVISORY COMM ON INTERGOV'TL RELATIONS	2,151	2,151	-	-	-	-	-	-	-	-
AGENCY FOR INTERNAT'L DEVELOPMENT	248,721	5,737	6,878	-	123,959	-	20,026	-	-	92,121
CONSUMER PRODUCT SAFETY COMMISSION	539	539	-	-	-	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	199,600	76,956	69,623	-	44,940	-	6,360	-	1,521	200
FEDERAL COMMUNICATIONS COMMISSION	1,422	1,272	100	-	50	-	-	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY	6,200	2,183	2,077	56	403	1,128	217	68	68	-
FEDERAL HOME LOAN BANK BOARD	2,900	2,700	-	-	200	-	-	-	-	-
FEDERAL TRADE COMMISSION	1,669	1,669	-	-	-	-	-	-	-	-
GENERAL SERVICES ADMINISTRATION	40	40	-	-	-	-	-	-	-	-
INTERNATIONAL TRADE COMMISSION	5,520	5,520	-	-	-	-	-	-	-	-
LIBRARY OF CONGRESS	1,614	1,614	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	1,914,784	1,053,793	506,011	-	210,500	64,140	70,085	470	2,225	7,560
NATIONAL SCIENCE FOUNDATION	1,414,017	159,194	63,106	3,640	1,032,730	103,047	47,884	298	2,012	2,106
NUCLEAR REGULATORY COMMISSION	168,415	22,751	11,455	92,315	4,162	26,102	1,550	9,060	-	1,020
SMITHSONIAN INSTITUTION	69,321	69,321	-	-	-	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY	14,000	11,800	-	-	-	-	2,200	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	1,075	130	640	20	60	30	100	95	-	-
UNITED STATES INFORMATION AGENCY	4,000	25	3,975	-	-	-	-	-	-	-
VETERANS ADMINISTRATION	175,000	174,084	-	-	200	-	714	-	-	-

1/ INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-18. FEDERAL OBLIGATIONS FOR RESEARCH, BY DETAILED FIELD OF SCIENCE: FISCAL YEARS 1983, 1984, AND 1985

(THOUSANDS OF DOLLARS)

FIELD OF SCIENCE	ACTUAL, 1983	ESTIMATES	
		1984	1985
TOTAL, ALL FIELDS	14,253,525	15,108,301	16,034,220
LIFE SCIENCES, TOTAL	5,177,931	5,749,096	5,981,434
BIOLOGICAL (EXCLUDING ENVIRONMENTAL)	2,305,543	2,565,835	2,684,303
ENVIRONMENTAL BIOLOGY	193,639	207,649	214,696
AGRICULTURAL	545,218	582,810	686,328
MEDICAL	1,927,453	2,191,614	2,186,799
LIFE SCIENCES, NEC	186,078	201,168	209,308
PSYCHOLOGY, TOTAL	240,871	263,967	295,325
BIOLOGICAL ASPECTS	63,217	77,610	78,182
SOCIAL ASPECTS	104,670	111,180	134,172
PSYCHOLOGICAL SCIENCES, NEC	72,984	75,177	82,971
PHYSICAL SCIENCES, TOTAL	2,891,439	3,002,549	3,143,149
ASTRONOMY	357,416	412,401	458,897
CHEMISTRY	520,291	571,103	595,677
PHYSICS	1,854,566	1,868,921	1,932,932
PHYSICAL SCIENCES, NEC	159,166	150,124	155,643
ENVIRONMENTAL SCIENCES, TOTAL	1,251,203	1,279,341	1,336,236
ATMOSPHERIC	460,684	453,991	491,108
GEOLOGICAL	333,537	348,409	381,047
OCEANOGRAPHY	343,510	377,753	360,640
ENVIRONMENTAL SCIENCES, NEC	113,472	99,188	103,421
MATHEMATICS & COMPUTER SCIENCES, TOTAL	419,416	446,199	579,242
MATHEMATICS	133,511	145,177	172,076
COMPUTER SCIENCES	214,555	219,445	253,526
MATHEMATICS & COMPUTER SCIENCES, NEC	71,350	81,577	153,640
ENGINEERING, TOTAL	3,516,999	3,951,822	3,845,513
AERONAUTICAL	820,565	838,451	945,125
ASTRONAUTICAL	321,487	347,849	378,068
CHEMICAL	144,994	143,817	143,533
CIVIL	188,465	199,734	219,927
ELECTRICAL	614,944	610,365	690,078
MECHANICAL	266,395	198,424	216,470
METALLURGY & MATERIALS	332,524	346,281	369,238
ENGINEERING, NEC	827,625	866,901	883,044
SOCIAL SCIENCES, TOTAL	435,268	491,456	473,046
ANTHROPOLOGY	12,799	18,026	20,910
ECONOMICS	165,551	180,895	183,261
POLITICAL SCIENCE	11,147	10,122	11,343
SOCIOLOGY	67,815	76,243	70,872
SOCIAL SCIENCES, NEC	177,956	196,210	186,660
OTHER SCIENCES, NEC	320,398	333,871	380,275

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-19. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS AND COM-PUTER SCIENCES	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES	14,253,525	5,177,931	240,871	2,891,439	1,251,203	419,416	3,516,999	435,268	320,398
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	817,558	570,556	104	67,611	13,455	13,229	54,665	97,938	-
AGRICULTURAL COOPERATIVE SERVICE	2,145	-	-	-	-	-	-	2,145	-
AGRICULTURAL MARKETING SERVICE	1,147	1,147	-	-	-	-	-	-	-
AGRICULTURAL RESEARCH SERVICE	417,900	327,132	-	52,060	2,934	1,511	32,928	1,335	-
COOPERATIVE STATE RESEARCH SERVICE	232,287	144,931	-	10,764	1,348	-	7,380	47,864	-
ECONOMIC RESEARCH SERVICE	38,777	-	-	-	-	-	-	38,777	-
FOREST SERVICE	103,900	63,944	104	4,787	9,173	3,718	14,357	7,817	-
HUMAN NUTRITION INFORMATION SERVICE	8,200	7,800	-	-	-	400	-	-	-
OFF OF INTERNAT'L COOPERATION & DEV.	4,838	4,838	-	-	-	-	-	-	-
OFFICE OF TRANSPORTATION	764	764	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE	7,600	-	-	-	-	7,600	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	284,841	12,702	290	49,623	152,866	12,504	37,421	7,675	11,760
BUREAU OF THE CENSUS	2,218	-	218	-	-	1,470	-	482	48
ECONOMIC DEVELOPMENT ADMINISTRATION	5,300	527	-	-	-	-	-	4,773	-
NATIONAL BUREAU OF STANDARDS	81,454	-	-	42,402	297	9,167	29,372	216	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	184,931	12,175	72	7,189	152,569	1,444	4,641	2,204	8,537
NAT'L TELECOMM & INFORMATION ADMIN	6,906	-	-	-	-	323	3,408	-	3,175
OFFICE OF THE SECRETARY	32	-	-	32	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	3,222,649	222,755	88,464	760,433	255,259	221,744	1,573,905	7,140	92,949
DEPARTMENT OF THE ARMY	693,611	128,408	37,319	145,556	26,141	19,341	318,922	2,064	15,860
DEPARTMENT OF THE NAVY	827,000	25,204	21,147	233,193	90,447	49,152	395,489	2,143	10,025
DEPARTMENT OF THE AIR FORCE	688,400	50,882	28,001	93,806	50,431	45,127	419,305	-	848
DEFENSE AGENCIES	1,013,638	18,261	1,997	287,878	88,040	108,124	440,189	2,933	66,216
DEPARTMENT OF EDUCATION	76,067	15,532	2,509	-	-	-	6,370	51,656	-
DEPARTMENT OF ENERGY	1,961,127	146,205	-	1,224,018	84,409	22,155	440,219	5,941	38,180
DEPT OF HLTH & HUMAN SERVICES, TOTAL	4,020,846	3,479,120	125,802	84,372	-	11,811	39,730	130,010	150,001
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	300,352	180,139	80,089	2,035	-	424	55	32,764	4,846
CENTERS FOR DISEASE CONTROL	78,164	78,164	-	-	-	-	-	-	-
FOOD & DRUG ADMINISTRATION	74,200	74,200	-	-	-	-	-	-	-
HEALTH CARE FINANCING ADMIN	30,208	-	-	-	-	-	-	30,208	-
HEALTH RESOURCES AND SERVICES ADMINISTRATION	11,003	5,858	-	-	-	-	-	-	5,145
HUMAN DEVELOPMENT SERVICES	6,871	-	-	-	-	-	-	6,871	-
NATIONAL INSTITUTES OF HEALTH	3,478,205	3,140,759	45,713	82,337	-	11,387	39,675	18,324	140,010
OFFICE OF ASST'T SECY FOR HEALTH	16,624	-	-	-	-	-	-	16,624	-
OFFICE OF THE SECRETARY	14,441	-	-	-	-	-	-	14,441	-
SOCIAL SECURITY ADMINISTRATION	10,778	-	-	-	-	-	-	10,778	-
DEPT OF HOUSING & URBAN DEVELOPMENT	11,299	-	-	-	-	-	1,996	9,303	-
DEPARTMENT OF THE INTERIOR, TOTAL	257,708	100,991	-	8,446	151,956	3,413	9,380	1,879	43
BUREAU OF LAND MANAGEMENT	1,974	1,811	-	-	163	-	-	-	-
BUREAU OF MINES	79,370	-	-	-	-	-	79,370	-	-
BUREAU OF RECLAMATION	8,848	220	-	-	4,092	-	4,381	112	43
GEOLOGICAL SURVEY	154,656	105	-	7,340	138,332	3,215	5,644	-	-
MINERAL MANAGEMENT SERVICE	1,500	-	-	-	-	-	1,500	-	-
NATIONAL PARK SERVICE	13,746	10,694	-	-	1,633	-	-	1,419	-
OFFICE OF THE SECRETARY	7,379	-	-	-	6,963	138	-	278	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	1,478	615	-	70	198	60	465	70	-
OFFICE OF WATER RSCH & TECHNOLOGY	1,211	-	-	1,036	175	-	-	-	-
US FISH & WILDLIFE SERVICE	87,546	87,546	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	20,700	240	1,784	200	-	-	1,120	17,356	-
DRUG ENFORCEMENT ADMINISTRATION	900	-	-	200	-	-	700	-	-
FEDERAL PRISON SYSTEM	1,290	-	300	-	-	-	-	990	-
IMMIGRATION & NATURALIZATION SVC	300	-	-	-	-	-	300	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	18,010	240	1,484	-	-	-	120	16,166	-
OFFICE OF LEGAL POLICY	200	-	-	-	-	-	-	200	-
DEPARTMENT OF LABOR, TOTAL	17,943	-	-	-	-	-	-	17,943	-
BUREAU OF LABOR STATISTICS	665	-	-	-	-	-	-	665	-
EMPLOYMENT STANDARDS ADMINISTRATION	1,400	-	-	-	-	-	-	1,400	-
EMPLOYMENT AND TRAINING ADMIN	7,907	-	-	-	-	-	-	7,907	-
LABOR-MANAGEMENT SERVICES ADMIN	882	-	-	-	-	-	-	882	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	5,264	-	-	-	-	-	-	5,264	-
OFFICE OF THE SECRETARY	1,525	-	-	-	-	-	-	1,525	-
PENSION BENEFIT GUARANTEE CORPORATION	300	-	-	-	-	-	-	300	-

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TABLE C-19. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS AND COM-PUTER SCIENCES	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
DEPARTMENT OF STATE, TOTAL	1,488	-	-	41	13	-	-	1,416	18
DEPARTMENTAL FUNDS	1,488	-	-	41	13	-	-	1,416	18
DEPARTMENT OF TRANSPORTATION, TOTAL	72,596	3,603	147	1,956	568	2,914	56,118	7,590	100
COAST GUARD	1,165	-	57	963	-	-	-	145	-
FEDERAL AVIATION ADMINISTRATION	12,500	-	-	-	-	-	12,500	-	-
FEDERAL HIGHWAY ADMINISTRATION	7,300	274	-	593	568	491	4,901	373	100
FEDERAL RAILROAD ADMINISTRATION	2,800	-	-	-	-	8	2,792	-	-
MARITIME ADMINISTRATION	6,200	-	-	-	-	300	5,900	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	22,400	3,329	-	-	-	2,115	10,604	5,252	-
OFFICE OF THE SECRETARY	300	-	90	-	-	-	-	210	-
RESEARCH & SPECIAL PROGRAMS ADMIN	2,600	-	-	-	-	-	1,590	1,010	-
URBAN MASS TRANSPORTATION ADMIN	18,331	-	-	-	-	-	17,831	500	-
DEPARTMENT OF THE TREASURY, TOTAL	10,186	-	292	1,958	-	4,043	42	3,851	-
BUREAU OF ENGRAVING AND PRINTING	2,000	-	-	1,958	-	-	42	-	-
INTERNAL REVENUE SERVICE	7,894	-	-	-	-	4,043	-	3,851	-
OFFICE OF PROTECTIVE RESEARCH	292	-	292	-	-	-	-	-	-
OTHER AGENCIES									
ADVISORY COMM ON INTERGOV'TL RELATIONS	2,110	-	-	-	-	-	-	2,110	-
AGENCY FOR INTERNAT'L DEVELOPMENT	156,675	141,265	-	-	-	1,994	7,256	6,021	139
APPALACHIAN REGIONAL COMMISSION	247	-	-	-	-	-	-	247	-
CONSUMER PRODUCT SAFETY COMMISSION	320	320	-	-	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	174,597	65,508	639	16,111	36,712	4,023	47,771	2,202	1,631
FEDERAL COMMUNICATIONS COMMISSION	1,332	-	-	-	-	-	1,020	297	15
FEDERAL EMERGENCY MANAGEMENT AGENCY	3,319	207	10	847	3	587	547	1,088	30
FEDERAL HOME LOAN BANK BOARD	3,038	-	-	-	-	-	-	3,038	-
FEDERAL TRADE COMMISSION	1,364	-	-	-	-	-	-	1,364	-
GENERAL SERVICES ADMINISTRATION	235	-	-	-	-	-	235	-	-
INTERNATIONAL TRADE COMMISSION	4,672	-	-	-	-	-	-	4,672	-
LIBRARY OF CONGRESS	1,337	-	-	-	-	-	-	-	1,337
NATIONAL AERONAUTICS & SPACE ADMIN	1,544,820	65,140	2,977	369,912	256,714	48,795	799,646	296	1,340
NATIONAL SCIENCE FOUNDATION	1,061,990	194,363	8,513	292,902	294,670	72,204	143,544	33,937	22,855
NUCLEAR REGULATORY COMMISSION	207,295	-	-	-	-	-	207,295	-	-
SMITHSONIAN INSTITUTION	95,960	22,400	-	9,353	4,016	-	-	20,191	-
TENNESSEE VALLEY AUTHORITY	12,300	4,500	-	3,400	962	-	3,238	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	839	-	-	456	-	-	276	107	-
UNITED STATES INFORMATION AGENCY	7	-	-	-	-	-	7	-	-
VETERANS ADMINISTRATION	146,100	132,524	9,340	-	-	-	4,236	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-20. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1984 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS AND COM-PUTER SCIENCES	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES	15,108,301	5,749,096	263,967	3,002,549	1,279,341	446,199	3,551,822	481,456	333,871
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	842,036	585,054	105	69,963	13,632	13,466	55,150	104,646	-
AGRICULTURAL COOPERATIVE SERVICE	2,180	-	-	-	-	-	-	2,180	-
AGRICULTURAL MARKETING SERVICE	1,250	1,250	-	-	-	-	-	-	-
AGRICULTURAL RESEARCH SERVICE	427,400	334,585	-	54,028	2,990	1,526	32,974	1,297	-
COOPERATIVE STATE RESEARCH SERVICE	237,695	168,621	-	11,032	1,381	-	7,564	49,097	-
ECONOMIC RESEARCH SERVICE	44,329	-	-	-	-	-	-	44,329	-
FOREST SERVICE	105,300	64,876	105	4,903	9,261	3,740	14,612	7,803	-
HUMAN NUTRITION INFORMATION SERVICE	6,100	6,100	-	-	-	-	-	-	-
OFF OF INTERNAT'L COOPERATION & DEV.	8,732	8,732	-	-	-	-	-	-	-
OFFICE OF TRANSPORTATION	890	890	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE	8,200	-	-	-	-	8,200	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	293,166	12,449	311	50,018	160,050	14,118	37,336	7,544	11,340
BUREAU OF THE CENSUS	2,321	-	239	-	-	1,556	-	480	46
ECONOMIC DEVELOPMENT ADMINISTRATION	5,300	527	-	-	-	-	-	4,773	-
NATIONAL BUREAU OF STANDARDS	82,291	-	-	41,198	305	10,574	29,996	218	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	194,567	11,922	72	7,727	159,745	1,639	4,100	2,073	7,289
NAT'L TELECOMM & INFORMATION ADMIN	7,594	-	-	-	-	349	3,240	-	4,005
OFFICE OF THE SECRETARY	1,093	-	-	1,093	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	2,984,774	239,925	86,182	676,440	211,540	223,629	1,463,403	4,269	79,386
DEPARTMENT OF THE ARMY	673,347	141,704	37,135	129,237	24,558	21,134	303,467	971	15,141
DEPARTMENT OF THE NAVY	734,600	24,748	18,235	165,015	92,727	46,903	374,832	1,933	10,207
DEPARTMENT OF THE AIR FORCE	702,000	52,189	29,654	100,920	53,200	47,966	417,667	-	404
DEFENSE AGENCIES	874,827	21,284	1,158	281,268	41,055	107,626	367,437	1,365	53,634
DEPARTMENT OF EDUCATION	87,366	20,817	2,816	-	-	-	6,910	56,823	-
DEPARTMENT OF ENERGY	2,073,404	163,615	-	1,312,399	89,597	24,141	439,105	5,978	38,569
DEPT OF HLTH & HUMAN SERVICES, TOTAL	4,498,963	3,890,842	141,546	93,914	-	13,190	44,415	144,332	170,724
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	343,770	203,622	90,570	1,624	-	493	68	41,281	6,112
CENTERS FOR DISEASE CONTROL	83,512	83,512	-	-	-	-	-	-	-
FOOD & DRUG ADMINISTRATION	79,300	79,300	-	-	-	-	-	-	-
HEALTH CARE FINANCING ADMIN	31,000	-	-	-	-	-	-	31,000	-
HEALTH RESOURCES AND SERVICES ADMINISTRATION	15,570	6,300	-	-	-	-	-	-	9,270
HUMAN DEVELOPMENT SERVICES	5,457	-	-	-	-	-	-	5,457	-
NATIONAL INSTITUTES OF HEALTH	3,894,093	3,518,108	50,976	92,290	-	12,697	44,347	20,333	155,342
OFFICE OF ASST'T SECY FOR HEALTH	19,155	-	-	-	-	-	-	19,155	-
OFFICE OF THE SECRETARY	9,500	-	-	-	-	-	-	9,500	-
SOCIAL SECURITY ADMINISTRATION	17,606	-	-	-	-	-	-	17,606	-
DEPT OF HOUSING & URBAN DEVELOPMENT	10,487	-	-	-	-	-	1,318	9,169	-
DEPARTMENT OF THE INTERIOR, TOTAL	400,997	110,181	-	11,844	151,476	5,856	118,954	2,641	45
BUREAU OF LAND MANAGEMENT	2,038	1,923	-	-	115	-	-	-	-
BUREAU OF MINES	104,730	-	-	-	-	-	104,730	-	-
BUREAU OF RECLAMATION	10,040	285	-	-	5,295	-	4,410	65	45
GEOLOGICAL SURVEY	166,211	136	-	11,000	143,387	5,368	6,320	-	-
MINERAL MANAGEMENT SERVICE	1,500	-	-	-	-	-	1,500	-	-
NATIONAL PARK SERVICE	14,000	11,000	-	-	1,500	-	-	1,500	-
OFFICE OF THE SECRETARY	1,155	-	-	-	368	262	-	525	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	970	-	-	323	-	-	517	130	-
OFFICE OF WATER RSCH & TECHNOLOGY	3,944	428	-	521	871	226	1,477	421	-
US FISH & WILDLIFE SERVICE	96,409	96,409	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	22,726	150	2,423	200	-	-	1,200	18,753	-
DRUG ENFORCEMENT ADMINISTRATION	800	-	-	200	-	-	600	-	-
FEDERAL PRISON SYSTEM	1,200	-	300	-	-	-	-	900	-
IMMIGRATION & NATURALIZATION SVC	400	-	-	-	-	-	400	-	-
OFF OF JUSTICE ASSIST., RSCH, & STAT	19,926	150	2,123	-	-	-	200	17,453	-
OFFICE OF LEGAL POLICY	400	-	-	-	-	-	-	400	-
DEPARTMENT OF LABOR, TOTAL	17,420	-	-	-	-	-	-	17,420	-
BUREAU OF LABOR STATISTICS	547	-	-	-	-	-	-	547	-
EMPLOYMENT STANDARDS ADMINISTRATION	935	-	-	-	-	-	-	935	-
EMPLOYMENT AND TRAINING ADMIN	6,937	-	-	-	-	-	-	6,937	-
LABOR-MANAGEMENT SERVICES ADMIN	1,926	-	-	-	-	-	-	1,926	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	5,075	-	-	-	-	-	-	5,075	-
OFFICE OF THE SECRETARY	1,700	-	-	-	-	-	-	1,700	-
PENSION BENEFIT GUARANTEE CORPORATION	300	-	-	-	-	-	-	300	-

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TABLE C-20. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1984 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS AND COM-PUTER SCIENCES	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
DEPARTMENT OF STATE, TOTAL	1,567	-	-	40	22	-	-	1,468	37
DEPARTMENTAL FUNDS	1,567	-	-	40	22	-	-	1,468	37
DEPARTMENT OF TRANSPORTATION, TOTAL	82,590	4,161	638	1,307	621	2,996	62,118	10,369	380
COAST GUARD	3,299	-	150	707	171	-	2,123	148	-
FEDERAL AVIATION ADMINISTRATION	18,900	-	-	-	-	-	18,900	-	-
FEDERAL HIGHWAY ADMINISTRATION	7,900	185	-	600	450	450	5,385	450	380
FEDERAL RAILROAD ADMINISTRATION	5,400	-	378	-	-	19	5,003	-	-
MARITIME ADMINISTRATION	4,700	-	-	-	-	200	4,500	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	24,700	3,976	-	-	-	2,327	9,866	8,531	-
OFFICE OF THE SECRETARY	300	-	110	-	-	-	-	190	-
RESEARCH & SPECIAL PROGRAMS ADMIN	1,800	-	-	-	-	-	1,150	650	-
URBAN MASS TRANSPORTATION ADMIN	15,591	-	-	-	-	-	15,191	400	-
DEPARTMENT OF THE TREASURY, TOTAL	10,630	-	150	2,352	-	3,786	48	4,294	-
BUREAU OF ENGRAVING AND PRINTING	2,400	-	-	2,352	-	-	48	-	-
INTERNAL REVENUE SERVICE	8,080	-	-	-	-	3,786	-	4,294	-
OFFICE OF PROTECTIVE RESEARCH	150	-	150	-	-	-	-	-	-
OTHER AGENCIES									
ADVISORY COMM ON INTERGOV'TL RELATIONS	2,064	-	-	-	-	-	-	2,064	-
AGENCY FOR INTERNAT'L DEVELOPMENT	170,619	155,270	-	-	-	1,457	4,827	3,690	5,375
APPALACHIAN REGIONAL COMMISSION	350	-	-	-	-	-	-	350	-
CONSUMER PRODUCT SAFETY COMMISSION	504	504	-	-	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	177,890	67,496	711	15,733	38,398	3,991	37,140	12,303	2,118
FEDERAL COMMUNICATIONS COMMISSION	1,498	-	-	-	-	-	940	529	29
FEDERAL EMERGENCY MANAGEMENT AGENCY	3,300	204	10	841	3	584	545	1,083	30
FEDERAL HOME LOAN BANK BOARD	2,970	-	-	-	-	-	-	2,970	-
FEDERAL TRADE COMMISSION	1,958	-	-	-	-	-	-	1,958	-
GENERAL SERVICES ADMINISTRATION	357	-	-	-	-	50	307	-	-
INTERNATIONAL TRADE COMMISSION	4,584	-	-	-	-	-	-	4,584	-
LIBRARY OF CONGRESS	1,399	-	-	-	-	-	-	-	1,399
NATIONAL AERONAUTICS & SPACE ADMIN	1,701,164	54,084	3,094	402,641	274,159	54,709	908,577	300	1,600
NATIONAL SCIENCE FOUNDATION	1,238,480	224,581	14,872	349,937	334,924	84,176	168,609	38,502	22,879
NUCLEAR REGULATORY COMMISSION	190,862	-	-	-	-	-	190,862	-	-
SMITHSONIAN INSTITUTION	63,758	23,652	-	10,535	4,114	-	-	25,457	-
TENNESSEE VALLEY AUTHORITY	13,000	4,300	-	3,800	700	-	4,200	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	1,465	-	-	585	105	50	385	340	-
UNITED STATES INFORMATION AGENCY	1,493	-	-	-	-	-	1,493	-	-
VETERANS ADMINISTRATION	204,900	189,811	11,109	-	-	-	3,980	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-21. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1985 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS AND COM-PUTER SCIENCES	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES	16,034,220	5,981,434	295,325	3,143,149	1,336,236	579,242	3,845,513	473,046	280,275
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	869,708	613,404	100	70,812	13,162	13,613	55,045	103,572	-
AGRICULTURAL COOPERATIVE SERVICE	1,426	-	-	-	-	-	-	1,426	-
AGRICULTURAL RESEARCH SERVICE	441,300	345,467	-	55,786	3,088	1,575	34,044	1,340	-
COOPERATIVE STATE RESEARCH SERVICE	296,785	192,089	-	10,339	1,294	-	7,089	45,974	-
ECONOMIC RESEARCH SERVICE	47,480	-	-	-	-	-	-	47,480	-
FOREST SERVICE	100,040	61,671	100	4,687	8,780	3,538	13,912	7,352	-
HUMAN NUTRITION INFORMATION SERVICE	7,500	7,500	-	-	-	-	-	-	-
OFF OF INTERNAT'L COOPERATION & DEV.	5,790	5,790	-	-	-	-	-	-	-
OFFICE OF TRANSPORTATION	887	887	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE	8,500	-	-	-	-	8,500	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	219,603	-	237	52,874	111,639	14,146	29,759	758	10,190
BUREAU OF THE CENSUS	2,739	-	237	-	-	1,976	-	490	46
NATIONAL BUREAU OF STANDARDS	81,543	-	-	45,277	315	10,327	25,398	226	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	127,216	-	-	7,037	111,324	1,493	1,121	52	6,189
NAT'L TELECOMM & INFORMATION ADMIN	7,545	-	-	-	-	350	3,240	-	3,955
OFFICE OF THE SECRETARY	560	-	-	560	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	3,219,399	251,352	116,038	610,306	231,121	320,393	1,650,879	6,901	132,409
DEPARTMENT OF THE ARMY	802,615	143,668	57,320	171,380	28,318	26,945	357,612	1,517	15,855
DEPARTMENT OF THE NAVY	852,200	29,095	25,656	181,416	108,729	60,342	430,134	3,084	13,744
DEPARTMENT OF THE AIR FORCE	783,400	55,846	31,447	110,830	62,415	43,804	468,286	-	771
DEFENSE AGENCIES	881,184	22,783	1,615	146,680	31,659	179,302	394,847	2,300	101,994
DEPARTMENT OF EDUCATION	77,180	17,743	2,397	145	-	145	6,992	50,158	-
DEPARTMENT OF ENERGY	2,213,481	166,581	-	1,394,544	96,643	37,216	479,517	5,194	33,786
DEPT OF HLTH & HUMAN SERVICES, TOTAL	4,605,063	4,000,407	143,558	99,162	-	13,416	45,493	139,188	163,839
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	353,268	211,545	91,719	3,835	-	479	65	38,966	6,659
CENTERS FOR DISEASE CONTROL	83,982	83,982	-	-	-	-	-	-	-
FOOD & DRUG ADMINISTRATION	81,000	81,000	-	-	-	-	-	-	-
HEALTH CARE FINANCING ADMIN	35,000	-	-	-	-	-	-	35,000	-
HEALTH RESOURCES AND SERVICES ADMINISTRATION	3,920	1,800	-	-	-	-	-	-	2,120
HUMAN DEVELOPMENT SERVICES	3,236	-	-	-	-	-	-	3,236	-
NATIONAL INSTITUTES OF HEALTH	4,003,029	3,622,080	51,839	95,327	-	12,937	45,428	20,358	155,060
OFFICE OF ASST'T SECY FOR HEALTH	17,400	-	-	-	-	-	-	17,400	-
OFFICE OF THE SECRETARY	7,500	-	-	-	-	-	-	7,500	-
SOCIAL SECURITY ADMINISTRATION	16,728	-	-	-	-	-	-	16,728	-
DEPT OF HOUSING & URBAN DEVELOPMENT	11,107	-	-	-	-	-	2,287	8,820	-
DEPARTMENT OF THE INTERIOR, TOTAL	351,318	115,257	-	10,869	141,098	4,320	78,122	1,597	55
BUREAU OF LAND MANAGEMENT	1,780	1,665	-	-	115	-	-	-	-
BUREAU OF MINES	66,636	-	-	-	-	-	66,636	-	-
BUREAU OF RECLAMATION	10,738	10	-	5,386	-	-	5,062	45	55
GEOLOGICAL SURVEY	150,920	193	-	8,600	133,575	4,292	4,300	-	-
MINERAL MANAGEMENT SERVICE	1,800	-	-	-	-	-	1,800	-	-
NATIONAL PARK SERVICE	14,500	11,500	-	-	1,500	-	-	1,500	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	2,967	190	-	2,207	420	-	150	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	469	51	-	62	102	28	174	52	-
US FISH & WILDLIFE SERVICE	101,508	101,508	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	14,948	150	800	200	-	-	900	12,898	-
DRUG ENFORCEMENT ADMINISTRATION	700	-	-	200	-	-	500	-	-
FEDERAL PRISON SYSTEM	1,100	-	300	-	-	-	-	800	-
IMMIGRATION & NATURALIZATION SVC	200	-	-	-	-	-	200	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	12,848	150	500	-	-	-	200	11,998	-
OFFICE OF LEGAL POLICY	100	-	-	-	-	-	-	100	-
DEPARTMENT OF LABOR, TOTAL	18,357	-	-	-	-	-	-	18,357	-
BUREAU OF LABOR STATISTICS	621	-	-	-	-	-	-	621	-
EMPLOYMENT STANDARDS ADMINISTRATION	963	-	-	-	-	-	-	963	-
EMPLOYMENT AND TRAINING ADMIN	6,976	-	-	-	-	-	-	6,976	-
LABOR-MANAGEMENT SERVICES ADMIN	2,522	-	-	-	-	-	-	2,522	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	5,075	-	-	-	-	-	-	5,075	-
OFFICE OF THE SECRETARY	1,800	-	-	-	-	-	-	1,800	-
PENSION BENEFIT GUARANTEE CORPORATION	400	-	-	-	-	-	-	400	-

CONTINUED ON NEXT PAGE

TABLE C-21. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1985 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS AND COM-PUTER SCIENCES	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
DEPARTMENT OF STATE, TOTAL	1,670	-	-	60	106	-	-	1,455	49
DEPARTMENTAL FUNDS	1,670	-	-	60	106	-	-	1,455	49
DEPARTMENT OF TRANSPORTATION, TOTAL	80,030	4,[illegible]2	300	1,450	900	4,437	57,460	10,521	500
COAST GUARD	4,625	-	-	850	450	-	3,325	-	-
FEDERAL AVIATION ADMINISTRATION	19,700	-	-	-	-	-	19,700	-	-
FEDERAL HIGHWAY ADMINISTRATION	9,100	250	-	600	450	800	6,100	400	500
FEDERAL RAILROAD ADMINISTRATION	2,700	-	200	-	-	10	2,490	-	-
MARITIME ADMINISTRATION	3,300	-	-	-	-	400	2,900	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	27,400	4,212	-	-	-	3,227	10,240	9,721	-
OFFICE OF THE SECRETARY	200	-	100	-	-	-	-	200	-
RESEARCH & SPECIAL PROGRAMS ADMIN	600	-	-	-	-	-	400	200	-
URBAN MASS TRANSPORTATION ADMIN	12,305	-	-	-	-	-	12,305	-	-
DEPARTMENT OF THE TREASURY, TOTAL	21,368	-	150	2,546	-	9,587	54	9,031	-
BUREAU OF ENGRAVING AND PRINTING	2,600	-	-	2,546	-	-	54	-	-
INTERNAL REVENUE SERVICE	18,618	-	-	-	-	9,587	-	9,031	-
OFFICE OF PROTECTIVE RESEARCH	150	-	150	-	-	-	-	-	-
OTHER AGENCIES									
ADVISORY COMM ON INTERGOV'TL RELATIONS	2,151	-	-	-	-	-	-	2,151	-
AGENCY FOR INTERNAT'L DEVELOPMENT	248,721	228,708	-	-	-	1,764	4,745	3,404	10,100
CONSUMER PRODUCT SAFETY COMMISSION	539	539	-	-	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	199,600	78,610	821	18,110	39,062	4,610	41,728	14,213	2,446
FEDERAL COMMUNICATIONS COMMISSION	1,422	-	-	-	-	-	825	557	40
FEDERAL EMERGENCY MANAGEMENT AGENCY	6,200	384	19	1,581	6	1,097	1,024	2,033	56
FEDERAL HOME LOAN BANK BOARD	2,900	-	-	-	-	-	-	2,900	-
FEDERAL TRADE COMMISSION	1,649	-	-	-	-	-	-	1,649	-
GENERAL SERVICES ADMINISTRATION	40	-	-	-	-	-	40	-	-
INTERNATIONAL TRADE COMMISSION	5,520	-	-	-	-	-	-	5,520	-
LIBRARY OF CONGRESS	1,614	-	-	-	-	-	-	-	1,614
NATIONAL AERONAUTICS & SPACE ADMIN	1,914,784	59,251	3,554	463,321	327,222	53,385	1,006,251	400	1,400
NATIONAL SCIENCE FOUNDATION	1,414,017	294,647	15,352	400,945	369,983	100,988	203,577	42,714	23,791
NUCLEAR REGULATORY COMMISSION	168,415	-	-	-	-	-	168,415	-	-
SMITHSONIAN INSTITUTION	69,321	24,568	-	11,799	4,304	-	-	28,550	-
TENNESSEE VALLEY AUTHORITY	14,000	4,450	-	4,100	900	-	4,550	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	1,075	-	-	225	90	125	150	485	-
UNITED STATES INFORMATION AGENCY	4,000	-	-	-	-	-	4,000	-	-
VETERANS ADMINISTRATION	175,000	158,901	11,999	-	-	-	4,100	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-22. FEDERAL OBLIGATIONS FOR RESEARCH IN PSYCHOLOGY AND LIFE SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				LIFE SCIENCES					
	TOTAL	BIO-LOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHO-LOGICAL SCIENCES NEC	TOTAL	BIO-LOGICAL	ENVIRON-MENTAL BIOLOGY	AGRI-CULTURAL	MEDICAL	LIFE SCIENCES NEC
TOTAL, ALL AGENCIES	240,871	63,217	104,670	72,984	5,177,931	2,305,543	193,639	565,218	1,927,453	186,078
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	104	-	104	-	570,556	62,454	53,530	440,675	13,897	-
AGRICULTURAL MARKETING SERVICE	-	-	-	-	1,147	-	-	1,147	-	-
AGRICULTURAL RESEARCH SERVICE	-	-	-	-	327,132	21,765	13,205	288,007	4,155	-
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	164,931	17,070	-	138,119	9,742	-
FOREST SERVICE	104	-	104	-	63,944	23,619	40,325	-	-	-
HUMAN NUTRITION INFORMATION SERVICE	-	-	-	-	7,800	-	-	7,800	-	-
OFF OF INTERNAT'L COOPERATION & DEV.	-	-	-	-	4,838	-	-	4,838	-	-
OFFICE OF TRANSPORTATION	-	-	-	-	764	-	-	764	-	-
DEPARTMENT OF COMMERCE, TOTAL	290	72	218	-	12,702	550	2,039	8,490	1,623	-
BUREAU OF THE CENSUS	218	-	218	-	-	-	-	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION	-	-	-	-	527	527	-	-	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	72	72	-	-	12,175	23	2,039	8,490	1,623	-
DEPARTMENT OF DEFENSE, TOTAL	88,464	59	73,078	15,327	222,755	37,478	11,401	-	134,681	39,195
DEPARTMENT OF THE ARMY	37,319	59	35,019	2,241	128,408	3,985	1,261	-	123,162	-
DEPARTMENT OF THE NAVY	21,147	-	8,745	12,802	25,204	13,547	2,557	-	9,100	-
DEPARTMENT OF THE AIR FORCE	28,001	-	28,001	-	50,882	5,135	5,883	-	819	39,045
DEFENSE AGENCIES	1,997	-	1,713	284	18,261	14,811	1,700	-	1,600	150
DEPARTMENT OF EDUCATION	2,509		332	2,177	15,532	-	-	-	10,515	5,017
DEPARTMENT OF ENERGY	-	-	-	-	146,205	93,701	-	8,195	21,867	20,436
DEPT OF HLTH & HUMAN SERVICES, TOTAL	125,802	47,065	25,677	53,060	3,479,120	1,816,122	353	-	1,546,910	115,735
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	80,089	47,065	25,677	7,347	180,139	107,023	-	-	58,576	14,540
CENTERS FOR DISEASE CONTROL	-	-	-	-	78,164	-	-	-	78,164	-
FOOD & DRUG ADMINISTRATION	-	-	-	-	74,200	36,800	-	-	37,400	-
HEALTH RESOURCES AND SERVICES ADMINI TRATION	-	-	-	-	5,858	-	-	-	5,858	-
NATIONAL INSTITUTES OF HEALTH	45,713	-	-	45,713	3,140,759	1,672,299	353	-	1,366,912	101,195
DEPARTMENT OF THE INTERIOR, TOTAL	-	-	-	-	100,991	62,109	36,521	1,886	475	-
BUREAU OF LAND MANAGEMENT	-	-	-	-	1,811	-	100	1,711	-	-
BUREAU OF RECLAMATION	-	-	-	-	220	220	-	-	-	-
GEOLOGICAL SURVEY	-	-	-	-	105	-	-	105	-	-
NATIONAL PARK SERVICE	-	-	-	-	10,694	-	10,694	-	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	-	-	-	-	615	-	70	70	475	-
US FISH & WILDLIFE SERVICE	-	-	-	-	87,546	61,889	25,657	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	1,784	-	1,000	784	240	240	-	-	-	-
FEDERAL PRISON SYSTEM	300	-	300	-	-	-	-	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	1,484	-	700	784	240	240	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	147	-	147	-	3,603	3,329	108	-	116	50
COAST GUARD	57	-	57	-	-	-	-	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	-	-	-	-	274	-	108	-	116	50
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	-	-	-	-	3,329	3,329	-	-	-	-
OFFICE OF THE SECRETARY	90	-	90	-	-	-	-	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	292	-	-	292	-	-	-	-	-	-
OFFICE OF PROTECTIVE RESEARCH	292	-	-	292	-	-	-	-	-	-
OTHER AGENCIES										
AGENCY FOR INTERNAT'L DEVELOPMENT	-	-	-	-	141,265	12,665	464	87,746	40,390	-
CONSUMER PRODUCT SAFETY COMMISSION	-	-	-	-	320	320	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	639	581	58	-	65,508	31,939	18,764	1,778	13,027	-
FEDERAL EMERGENCY MANAGEMENT AGENCY	10	-	10	-	207	-	14	-	123	70
NATIONAL AERONAUTICS & SPACE ADMIN	2,977	250	1,394	1,333	65,140	19,994	1,315	12,051	26,205	5,575
NATIONAL SCIENCE FOUNDATION	8,513	5,863	2,639	11	194,363	137,188	56,778	397	-	-
SMITHSONIAN INSTITUTION	-	-	-	-	22,400	10,548	11,852	-	-	-
TENNESSEE VALLEY AUTHORITY	-	-	-	-	4,500	-	500	4,000	-	-
VETERANS ADMINISTRATION	9,340	9,327	13	-	132,524	14,900	-	-	117,624	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-23. FEDERAL OBLIGATIONS FOR RESEARCH IN PSYCHOLOGY AND LIFE SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1984 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				LIFE SCIENCES					
	TOTAL	BIO-LOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHO-LOGICAL SCIENCES NEC	TOTAL	BIO-LOGICAL	ENVIRON-MENTAL BIOLOGY	AGRI-CULTURAL	MEDICAL	LIFE SCIENCES NEC
TOTAL, ALL AGENCIES	263,967	77,620	111,180	75,177	5,749,096	2,565,835	207,669	582,810	2,190,614	202,168
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	105	-	105	-	585,054	64,635	54,033	452,212	14,174	-
AGRICULTURAL MARKETING SERVICE	-	-	-	-	1,250	-	-	1,250	-	-
AGRICULTURAL RESEARCH SERVICE	-	-	-	-	334,585	22,940	13,406	294,050	4,189	-
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	168,621	17,446	-	141,190	9,985	-
FOREST SERVICE	105	-	105	-	64,876	24,249	40,627	-	-	-
HUMAN NUTRITION INFORMATION SERVICE	-	-	-	-	6,100	-	-	6,100	-	-
OFF OF INTERNAT'L COOPERATION & DEV.	-	-	-	-	8,732	-	-	8,732	-	-
OFFICE OF TRANSPORTATION	-	-	-	-	890	-	-	890	-	-
DEPARTMENT OF COMMERCE, TOTAL	311	72	239	-	12,449	527	1,989	8,490	1,443	-
BUREAU OF THE CENSUS	239	-	239	-	-	-	-	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION	-	-	-	-	527	527	-	-	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	72	72	-	-	11,922	-	1,989	8,490	1,443	-
DEPARTMENT OF DEFENSE, TOTAL	86,182	129	73,607	12,446	239,925	42,684	10,738	-	146,955	39,548
DEPARTMENT OF THE ARMY	37,135	129	34,682	2,324	141,704	4,912	1,962	-	134,830	-
DEPARTMENT OF THE NAVY	18,235	-	8,113	10,122	24,748	13,386	2,067	-	9,295	-
DEPARTMENT OF THE AIR FORCE	29,654	-	29,654	-	52,189	6,701	5,310	-	830	39,348
DEFENSE AGENCIES	1,158	-	1,158	-	21,284	17,685	1,399	-	2,000	200
DEPARTMENT OF EDUCATION	2,816	-	-	2,816	20,817	-	-	-	13,635	7,182
DEPARTMENT OF ENERGY	-	-	-	-	163,615	98,957	-	20,884	23,849	19,925
DEPT OF HLTH & HUMAN SERVICES, TOTAL	141,546	53,571	30,388	57,587	3,890,842	2,037,779	385	-	1,723,434	129,244
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	90,570	53,571	30,388	6,611	203,622	122,250	-	-	65,608	15,764
CENTERS FOR DISEASE CONTROL	-	-	-	-	83,512	-	-	-	83,512	-
FOOD & DRUG ADMINISTRATION	-	-	-	-	79,300	38,900	-	-	40,400	-
HEALTH RESOURCES AND SERVICES ADMINISTRATION	-	-	-	-	6,300	-	-	-	6,300	-
NATIONAL INSTITUTES OF HEALTH	50,976	-	-	50,976	3,518,108	1,876,629	385	-	1,527,614	113,480
DEPARTMENT OF THE INTERIOR, TOTAL	-	-	-	-	110,181	67,970	40,302	1,909	-	-
BUREAU OF LAND MANAGEMENT	-	-	-	-	1,923	-	150	1,773	-	-
BUREAU OF RECLAMATION	-	-	-	-	285	285	-	-	-	-
GEOLOGICAL SURVEY	-	-	-	-	136	-	-	136	-	-
NATIONAL PARK SERVICE	-	-	-	-	11,000	-	11,000	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	-	-	-	-	428	-	428	-	-	-
US FISH & WILDLIFE SERVICE	-	-	-	-	96,409	67,685	28,724	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	2,423	-	2,123	300	150	150	-	-	-	-
FEDERAL PRISON SYSTEM	300	-	300	-	-	-	-	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	2,123	-	1,823	300	150	150	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	638	-	260	378	4,161	3,976	100	-	85	-
COAST GUARD	150	-	150	-	-	-	-	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	-	-	-	-	185	-	100	-	85	-
FEDERAL RAILROAD ADMINISTRATION	378	-	-	378	-	-	-	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	-	-	-	-	3,976	3,976	-	-	-	-
OFFICE OF THE SECRETARY	110	-	110	-	-	-	-	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	150	-	-	150	-	-	-	-	-	-
OFFICE OF PROTECTIVE RESEARCH	150	-	-	150	-	-	-	-	-	-
OTHER AGENCIES										
AGENCY FOR INTERNAT'L DEVELOPMENT	-	-	-	-	155,270	12,977	-	91,303	50,990	-
CONSUMER PRODUCT SAFETY COMMISSION	-	-	-	-	504	504	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	711	697	14	-	67,496	31,633	21,150	2,214	12,499	-
FEDERAL EMERGENCY MANAGEMENT AGENCY	10	-	10	-	204	-	13	-	122	69
NATIONAL AERONAUTICS & SPACE ADMIN	3,094	200	1,394	1,500	56,084	19,652	1,448	1,613	27,171	6,200
NATIONAL SCIENCE FOUNDATION	14,872	11,853	3,019	-	224,581	159,942	64,254	385	-	-
SMITHSONIAN INSTITUTION	-	-	-	-	23,652	10,895	12,757	-	-	-
TENNESSEE VALLEY AUTHORITY	-	-	-	-	4,300	-	500	3,800	-	-
VETERANS ADMINISTRATION	11,109	11,088	21	-	189,811	13,554	-	-	176,257	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-24. FEDERAL OBLIGATIONS FOR RESEARCH IN PSYCHOLOGY AND LIFE SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1985 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				LIFE SCIENCES					
	TOTAL	BIO-LOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHO-LOGICAL SCIENCES NEC	TOTAL	BIO-LOGICAL	ENVIRON-MENTAL BIOLOGY	AGRI-CULTURAL	MEDICAL	LIFE SCIENCES NEC
TOTAL, ALL AGENCIES	295,325	78,182	134,172	82,971	5,981,434	2,684,203	214,696	686,328	2,186,799	209,308
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	100	-	100	-	613,404	63,360	52,314	484,046	13,684	-
AGRICULTURAL RESEARCH SERVICE	-	-	-	-	345,467	23,687	13,841	303,612	4,327	-
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	192,089	16,475	-	166,257	9,357	-
FOREST SERVICE	100	-	100	-	61,671	23,198	38,473	-	-	-
HUMAN NUTRITION INFORMATION SERVICE	-	-	-	-	7,500	-	-	7,500	-	-
OFF OF INTERNAT'L COOPERATION & DEV.	-	-	-	-	5,790	-	-	5,790	-	-
OFFICE OF TRANSPORTATION	-	-	-	-	887	-	-	887	-	-
DEPARTMENT OF COMMERCE, TOTAL	237	-	237	-	-	-	-	-	-	-
BUREAU OF THE CENSUS	237	-	237	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	116,038	139	98,410	17,489	251,352	51,438	10,836	1,700	146,324	41,054
DEPARTMENT OF THE ARMY	57,320	139	54,503	2,678	143,668	5,817	2,075	-	135,776	-
DEPARTMENT OF THE NAVY	25,634	-	10,845	14,811	29,095	17,291	2,079	-	9,685	-
DEPARTMENT OF THE AIR FORCE	31,447	-	31,447	-	55,846	8,990	5,164	-	863	40,829
DEFENSE AGENCIES	1,615	-	1,615	-	22,783	19,340	1,518	1,700	-	225
DEPARTMENT OF EDUCATION	2,397	-	-	2,397	17,743	-	-	-	11,220	6,523
DEPARTMENT OF ENERGY	-	-	-	-	166,581	99,950	-	23,165	22,018	21,448
DEPT OF HLTH & HUMAN SERVICES, TOTAL	143,558	52,743	30,080	60,735	4,000,407	2,111,645	418	-	1,755,191	133,153
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	91,719	52,743	30,080	8,896	211,545	129,135	-	-	66,413	15,997
CENTERS FOR DISEASE CONTROL	-	-	-	-	83,982	-	-	-	83,982	-
FOOD & DRUG ADMINISTRATION	-	-	-	-	81,000	39,500	-	-	41,500	-
HEALTH RESOURCES AND SERVICES ADMINISTRATION	-	-	-	-	1,800	-	-	-	1,800	-
NATIONAL INSTITUTES OF HEALTH	51,839	-	-	51,839	3,622,080	1,943,010	418	-	1,561,496	117,156
DEPARTMENT OF THE INTERIOR, TOTAL	-	-	-	-	115,257	73,044	40,495	1,718	-	-
BUREAU OF LAND MANAGEMENT	-	-	-	-	1,665	-	150	1,515	-	-
BUREAU OF RECLAMATION	-	-	-	-	190	190	-	-	-	-
GEOLOGICAL SURVEY	-	-	-	-	153	-	-	153	-	-
NATIONAL PARK SERVICE	-	-	-	-	11,500	-	11,500	-	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	-	-	-	-	190	70	70	50	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	-	-	-	-	51	-	51	-	-	-
US FISH & WILDLIFE SERVICE	-	-	-	-	101,508	72,784	28,724	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	800	-	500	300	150	150	-	-	-	-
FEDERAL PRISON SYSTEM	300	-	300	-	-	-	-	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	500	-	200	300	150	150	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	300	-	100	200	4,462	4,212	100	-	150	-
FEDERAL HIGHWAY ADMINISTRATION	-	-	-	-	250	-	100	-	150	-
FEDERAL RAILROAD ADMINISTRATION	200	-	-	200	-	-	-	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	-	-	-	-	4,212	4,212	-	-	-	-
OFFICE OF THE SECRETARY	100	-	100	-	-	-	-	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	150	-	-	150	-	-	-	-	-	-
OFFICE OF PROTECTIVE RESEARCH	150	-	-	150	-	-	-	-	-	-
OTHER AGENCIES										
AGENCY FOR INTERNAT'L DEVELOPMENT	-	-	-	-	228,708	11,470	-	167,713	49,525	-
CONSUMER PRODUCT SAFETY COMMISSION	-	-	-	-	539	539	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	821	821	-	-	78,610	38,043	23,574	2,957	14,436	-
FEDERAL EMERGENCY MANAGEMENT AGENCY	19	-	19	-	384	-	25	-	229	130
NATIONAL AERONAUTICS & SPACE ADMIN	3,554	300	1,554	1,700	59,251	19,872	1,610	1,294	29,475	7,000
NATIONAL SCIENCE FOUNDATION	15,352	12,203	3,149	-	254,667	184,898	71,389	380	-	-
SMITHSONIAN INSTITUTION	-	-	-	-	24,568	11,328	13,240	-	-	-
TENNESSEE VALLEY AUTHORITY	-	-	-	-	4,450	-	695	3,755	-	-
VETERANS ADMINISTRATION	11,999	11,976	23	-	158,901	14,354	-	-	144,547	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-25. FEDERAL OBLIGATIONS FOR RESEARCH IN PHYSICAL AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PHYSICAL SCIENCES					ENVIRONMENTAL SCIENCES				
	TOTAL	ASTRONOMY	CHEMISTRY	PHYSICS	PHYSICAL SCIENCES NEC	TOTAL	ATMOSPHERIC	GEOLOGICAL	OCEANOGRAPHY	ENVIRONMENTAL SCIENCES NEC
TOTAL, ALL AGENCIES	2,891,439	357,416	520,291	1,854,566	159,166	1,251,203	460,684	333,537	343,510	113,472
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	67,611	-	63,840	3,771	-	13,455	5,303	8,152	-	-
AGRICULTURAL RESEARCH SERVICE	52,060	-	49,483	2,577	-	2,934	2,138	796	-	-
COOPERATIVE STATE RESEARCH SERVICE	10,764	-	10,764	-	-	1,348	1,348	-	-	-
FOREST SERVICE	4,787	-	3,593	1,194	-	9,173	1,817	7,356	-	-
DEPARTMENT OF COMMERCE, TOTAL	49,623	695	13,975	34,993	-	152,866	50,844	2,051	94,182	5,789
NATIONAL BUREAU OF STANDARDS	42,402	695	12,749	28,998	-	297	20	277	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	7,189	-	1,194	5,995	-	152,569	50,824	1,774	94,182	5,789
OFFICE OF THE SECRETARY	32	-	32	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	760,433	17,076	121,828	497,464	124,065	295,259	125,227	43,015	66,151	20,866
DEPARTMENT OF THE ARMY	145,556	-	99,264	52,277	34,015	26,141	13,104	9,132	885	3,020
DEPARTMENT OF THE NAVY	233,193	11,500	31,051	174,749	15,893	90,647	11,058	7,089	61,423	11,077
DEPARTMENT OF THE AIR FORCE	93,906	5,576	31,172	54,584	2,474	50,431	43,200	7,231	-	-
DEFENSE AGENCIES	287,878	-	341	215,854	71,683	88,040	57,865	19,563	3,843	6,769
DEPARTMENT OF ENERGY	1,224,018	-	117,599	1,085,801	20,618	84,407	23,916	42,852	6,971	10,670
DEPT OF HLTH & HUMAN SERVICES, TOTAL	84,372	-	74,243	10,129	-	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	2,035	-	1,994	41	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	82,337	-	72,249	10,088	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	8,446	-	6,178	1,864	404	151,356	4,371	126,067	14,155	6,963
BUREAU OF LAND MANAGEMENT	-	-	-	-	-	163	-	163	-	-
BUREAU OF RECLAMATION	-	-	-	-	-	4,092	3,874	-	218	-
GEOLOGICAL SURVEY	7,340	-	5,600	1,740	-	136,332	-	124,395	13,937	-
NATIONAL PARK SERVICE	-	-	-	-	-	1,633	497	1,136	-	-
OFFICE OF THE SECRETARY	-	-	-	-	-	6,963	-	-	-	6,963
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	70	-	70	-	-	198	-	198	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	1,036	-	508	124	404	175	-	175	-	-
DEPARTMENT OF JUSTICE, TOTAL	200	-	-	-	200	-	-	-	-	-
DRUG ENFORCEMENT ADMINISTRATION	200	-	-	-	200	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL	41	-	-	41	-	13	-	-	13	-
DEPARTMENTAL FUNDS	41	-	-	41	-	13	-	-	13	-
DEPARTMENT OF TRANSPORTATION, TOTAL	1,556	-	1,317	149	90	568	200	238	-	130
COAST GUARD	963	-	963	-	-	-	-	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	593	-	354	149	90	568	200	238	-	130
DEPARTMENT OF THE TREASURY, TOTAL	1,958	-	1,132	56	770	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING	1,958	-	1,132	56	770	-	-	-	-	-
OTHER AGENCIES										
ENVIRONMENTAL PROTECTION AGENCY	16,111	-	14,763	1,348	-	36,712	28,128	6,138	2,446	-
FEDERAL EMERGENCY MANAGEMENT AGENCY	847	-	10	714	123	3	-	3	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	369,912	265,687	9,394	82,922	11,909	256,714	126,409	34,417	26,919	68,969
NATIONAL SCIENCE FOUNDATION	292,902	64,638	92,403	135,053	808	294,670	94,198	66,860	131,527	85
SMITHSONIAN INSTITUTION	9,353	9,353	-	-	-	4,016	88	2,782	1,146	-
TENNESSEE VALLEY AUTHORITY	3,600	-	3,600	-	-	962	-	962	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	456	7	9	261	179	-	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-26. FEDERAL OBLIGATIONS FOR RESEARCH IN PHYSICAL AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1984 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PHYSICAL SCIENCES					ENVIRONMENTAL SCIENCES				
	TOTAL	ASTRONOMY	CHEMISTRY	PHYSICS	PHYSICAL SCIENCES NEC	TOTAL	ATMOSPHERIC	GEOLOGICAL	OCEANOGRAPHY	ENVIRONMENTAL SCIENCES NEC
TOTAL, ALL AGENCIES	3,002,549	412,401	571,103	1,868,921	150,124	1,279,341	453,591	348,409	377,753	99,588
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	69,963	-	66,125	3,838	-	13,632	5,419	8,213	-	-
AGRICULTURAL RESEARCH SERVICE	54,028	-	51,407	2,621	-	2,990	2,188	802	-	-
COOPERATIVE STATE RESEARCH SERVICE	11,032	-	11,032	-	-	1,381	1,381	-	-	-
FOREST SERVICE	4,903	-	3,686	1,217	-	9,261	1,850	7,411	-	-
DEPARTMENT OF COMMERCE, TOTAL	50,018	703	14,226	35,089	-	160,050	53,357	2,585	101,462	2,646
NATIONAL BUREAU OF STANDARDS	41,198	703	12,029	28,466	-	305	-	305	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	7,727	-	1,104	4,623	-	159,745	53,357	2,280	101,462	2,646
OFFICE OF THE SECRETARY	1,093	-	1,093	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	676,440	16,205	132,260	417,113	110,862	211,540	90,773	36,348	67,674	16,796
DEPARTMENT OF THE ARMY	129,237	-	62,042	43,199	24,000	24,558	12,336	8,188	1,444	2,990
DEPARTMENT OF THE NAVY	165,015	10,260	36,066	106,512	12,177	92,727	11,256	7,280	63,351	10,840
DEPARTMENT OF THE AIR FORCE	100,920	5,945	33,876	58,584	2,515	53,200	45,528	7,672	-	-
DEFENSE AGENCIES	281,268	-	276	208,818	72,170	41,055	21,653	13,208	3,228	2,966
DEPARTMENT OF ENERGY	1,312,399	-	127,307	1,161,841	23,251	89,597	27,937	43,263	7,626	10,771
DEPT OF HLTH & HUMAN SERVICES, TOTAL	93,914	-	82,584	11,330	-	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	1,624	-	1,573	51	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	92,290	-	81,011	11,279	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	11,844	-	9,521	2,000	323	151,476	5,500	128,132	16,933	911
BUREAU OF LAND MANAGEMENT	-	-	-	-	-	115	-	115	-	-
BUREAU OF RECLAMATION	-	-	-	-	-	5,235	5,000	-	235	-
GEOLOGICAL SURVEY	11,000	-	9,000	2,000	-	143,387	-	126,689	16,698	-
NATIONAL PARK SERVICE	-	-	-	-	-	1,500	500	1,000	-	-
OFFICE OF THE SECRETARY	-	-	-	-	-	368	-	-	-	368
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	323	-	-	-	323	-	-	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	521	-	521	-	-	871	-	328	-	543
DEPARTMENT OF JUSTICE, TOTAL	200	-	-	-	200	-	-	-	-	-
DRUG ENFORCEMENT ADMINISTRATION	200	-	-	-	200	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL	40	-	-	40	-	22	-	-	18	4
DEPARTMENTAL FUNDS	40	-	-	40	-	22	-	-	18	4
DEPARTMENT OF TRANSPORTATION, TOTAL	1,307	-	1,057	150	100	621	150	200	171	100
COAST GUARD	707	-	707	-	-	171	-	-	171	-
FEDERAL HIGHWAY ADMINISTRATION	600	-	350	150	100	450	150	200	-	100
DEPARTMENT OF THE TREASURY, TOTAL	2,352	-	1,408	64	880	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING	2,352	-	1,408	64	880	-	-	-	-	-
OTHER AGENCIES										
ENVIRONMENTAL PROTECTION AGENCY	15,733	-	14,324	1,409	-	38,398	28,577	7,153	2,668	-
FEDERAL EMERGENCY MANAGEMENT AGENCY	841	-	10	709	122	3	-	3	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	402,641	303,137	10,549	75,505	13,450	274,159	131,205	44,095	28,579	68,280
NATIONAL SCIENCE FOUNDATION	349,937	81,671	107,932	159,708	626	334,924	110,586	72,865	151,393	80
SMITHSONIAN INSTITUTION	10,535	10,535	-	-	-	4,114	87	2,852	1,175	-
TENNESSEE VALLEY AUTHORITY	3,800	-	3,800	-	-	700	-	700	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	585	150	-	125	310	105	-	-	105	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-27. FEDERAL OBLIGATIONS FOR RESEARCH IN PHYSICAL AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1985 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PHYSICAL SCIENCES					ENVIRONMENTAL SCIENCES				
	TOTAL	ASTRON-OMY	CHEM-ISTRY	PHYSICS	PHYSICAL SCIENCES NEC	TOTAL	ATMOS-PHERIC	GEO-LOGICAL	OCEAN-OGRAPHY	ENVIRON-MENTAL SCIENCES NEC
TOTAL, ALL AGENCIES	3,143,149	458,897	595,677	1,932,932	155,643	1,336,236	491,108	381,047	360,660	103,421
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	70,812	-	66,950	3,862	-	13,162	5,314	7,848	-	-
AGRICULTURAL RESEARCH SERVICE	55,786	-	53,085	2,701	-	3,088	2,259	829	-	-
COOPERATIVE STATE RESEARCH SERVICE	10,339	-	10,339	-	-	1,294	1,294	-	-	-
FOREST SERVICE	4,687	-	3,526	1,161	-	8,780	1,761	7,019	-	-
DEPARTMENT OF COMMERCE, TOTAL	52,874	736	15,579	36,559	-	111,639	48,073	1,615	61,951	-
NATIONAL BUREAU OF STANDARDS	45,277	736	14,014	30,527	-	315	-	315	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	7,037	-	1,005	6,032	-	111,324	48,073	1,300	61,951	-
OFFICE OF THE SECRETARY	560	-	560	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	610,306	21,464	141,064	333,996	113,782	231,121	92,926	41,340	75,662	21,193
DEPARTMENT OF THE ARMY	171,380	-	67,606	52,654	51,120	78,318	13,830	10,186	1,170	3,132
DEPARTMENT OF THE NAVY	181,416	13,722	36,998	112,615	18,081	108,729	13,533	8,177	72,338	14,681
DEPARTMENT OF THE AIR FORCE	110,830	7,742	36,289	63,464	3,335	62,415	53,262	9,153	-	-
DEFENSE AGENCIES	146,680	-	171	105,263	41,246	31,659	12,301	13,824	2,154	3,380
DEPARTMENT OF EDUCATION	145	-	-	-	145	-	-	-	-	-
DEPARTMENT OF ENERGY	1,394,544	-	111,814	1,260,499	22,231	96,643	33,918	44,256	7,422	11,047
DEPT OF HLTH & HUMAN SERVICES, TOTAL	99,162	-	87,519	11,643	-	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	3,835	-	3,786	49	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	95,327	-	83,733	11,594	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	10,869	-	6,662	2,000	2,207	141,098	5,886	117,692	17,454	66
BUREAU OF LAND MANAGEMENT	-	-	-	-	-	115	-	115	-	-
BUREAU OF RECLAMATION	-	-	-	-	-	5,386	5,086	-	300	-
GEOLOGICAL SURVEY	8,600	-	6,600	2,000	-	133,575	-	116,421	17,154	-
NATIONAL PARK SERVICE	-	-	-	-	-	1,500	500	1,000	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	2,207	-	-	-	2,207	420	300	120	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	62	-	62	-	-	102	-	36	-	66
DEPARTMENT OF JUSTICE, TOTAL	200	-	-	-	200	-	-	-	-	-
DRUG ENFORCEMENT ADMINISTRATION	200	-	-	-	200	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL	60	-	-	60	-	106	-	25	75	6
DEPARTMENTAL FUNDS	60	-	-	60	-	106	-	25	75	6
DEPARTMENT OF TRANSPORTATION, TOTAL	1,450	-	350	1,000	100	900	200	250	450	-
COAST GUARD	850	-	-	850	-	450	-	-	450	-
FEDERAL HIGHWAY ADMINISTRATION	600	-	350	150	100	450	200	250	-	-
DEPARTMENT OF THE TREASURY, TOTAL	2,546	-	1,484	72	990	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING	2,546	-	1,484	72	990	-	-	-	-	-
OTHER AGENCIES										
ENVIRONMENTAL PROTECTION AGENCY	18,110	-	16,487	1,623	-	39,062	31,133	4,853	3,076	-
FEDERAL EMERGENCY MANAGEMENT AGENCY	1,581	-	19	1,333	229	6	-	6	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	463,321	331,399	20,131	97,379	14,412	327,222	150,588	75,198	30,421	71,025
NATIONAL SCIENCE FOUNDATION	400,945	90,349	123,518	182,831	1,247	369,983	122,979	84,079	162,841	84
SMITHSONIAN INSTITUTION	11,899	11,899	-	-	-	4,304	91	2,985	1,228	-
TENNESSEE VALLEY AUTHORITY	4,100	-	4,100	-	-	900	-	900	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	225	50	-	75	100	90	-	-	90	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-28. FEDERAL OBLIGATIONS FOR RESEARCH IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ENGINEERING								
	TOTAL	AERO-NAUTICAL	ASTRO-NAUTICAL	CHEMICAL	CIVIL	ELECTRICAL	MECHANICAL	METALLURGY AND MATERIALS	OTHER ENGINEERING NEC
TOTAL, ALL AGENCIES	3,516,999	820,565	321,487	144,994	188,465	614,944	266,395	332,524	827,625
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	54,665	-	-	6,181	3,965	345	4,479	-	39,695
AGRICULTURAL RESEARCH SERVICE	32,928	-	-	3,214	2,106	345	1,142	-	26,121
COOPERATIVE STATE RESEARCH SERVICE	7,380	-	-	-	-	-	-	-	7,380
FOREST SERVICE	14,357	-	-	2,967	1,859	-	3,337	-	6,194
DEPARTMENT OF COMMERCE, TOTAL	37,421	-	-	1,313	8,817	8,488	2,440	7,818	8,545
NATIONAL BUREAU OF STANDARDS	29,372	-	-	1,313	6,732	4,066	2,440	7,490	7,371
NAT'L OCEANIC & ATMOSPHERIC ADMIN	4,641	-	-	-	2,085	1,014	-	368	1,174
NAT'L TELECOMM & INFORMATION ADMIN	3,408	-	-	-	-	3,408	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	1,573,905	315,003	92,351	44,889	45,730	515,578	138,696	179,143	242,315
DEPARTMENT OF THE ARMY	318,922	38,973	2,923	29,546	29,548	129,166	42,618	28,412	18,136
DEPARTMENT OF THE NAVY	395,489	37,397	-	11,914	3,212	101,508	48,084	49,862	133,412
DEPARTMENT OF THE AIR FORCE	419,305	123,660	65,240	3,068	5,200	151,207	26,002	38,715	6,823
DEFENSE AGENCIES	440,189	115,073	24,188	571	7,770	133,697	12,192	62,154	83,944
DEPARTMENT OF EDUCATION	6,370	-	-	-	-	-	-	-	6,370
DEPARTMENT OF ENERGY	440,219	-	-	51,933	35,240	26,188	75,772	62,629	188,457
DEPT OF HLTH & HUMAN SERVICES, TOTAL	39,730	-	-	-	-	-	-	-	39,730
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	55	-	-	-	-	-	-	-	55
NATIONAL INSTITUTES OF HEALTH	39,675	-	-	-	-	-	-	-	39,675
DEPT OF HOUSING & URBAN DEVELOPMENT	1,956	-	-	-	142	-	-	-	1,814
DEPARTMENT OF THE INTERIOR, TOTAL	91,380	-	-	400	8,817	671	909	31,512	48,071
BUREAU OF MINES	79,370	-	-	-	-	-	-	31,192	48,178
BUREAU OF RECLAMATION	4,381	-	-	-	3,170	314	54	-	843
GEOLOGICAL SURVEY	5,464	-	-	-	4,552	307	805	-	-
MINERAL MANAGEMENT SERVICE	1,500	-	-	400	900	50	50	50	50
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	465	-	-	-	195	-	-	270	-
DEPARTMENT OF JUSTICE, TOTAL	1,120	-	-	-	-	300	120	-	700
DRUG ENFORCEMENT ADMINISTRATION	700	-	-	-	-	-	-	-	700
IMMIGRATION & NATURALIZATION SVC	300	-	-	-	-	300	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	120	-	-	-	-	-	120	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	56,118	2,125	750	1,047	29,661	2,689	15,363	1,383	3,100
FEDERAL AVIATION ADMINISTRATION	12,500	2,125	750	-	8,060	1,565	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	4,901	-	-	632	2,459	333	894	583	-
FEDERAL RAILROAD ADMINISTRATION	2,792	-	-	-	1,036	216	840	-	700
MARITIME ADMINISTRATION	5,900	-	-	-	-	200	2,500	800	2,400
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	10,604	-	-	-	-	-	10,604	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN	1,590	-	-	415	275	375	525	-	-
URBAN MASS TRANSPORTATION ADMIN	17,831	-	-	-	17,831	-	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	42	-	-	-	-	-	42	-	-
BUREAU OF ENGRAVING AND PRINTING	42	-	-	-	-	-	42	-	-
OTHER AGENCIES									
AGENCY FOR INTERNAT'L DEVELOPMENT	7,256	-	-	-	3,066	-	-	-	4,190
ENVIRONMENTAL PROTECTION AGENCY	47,771	-	-	16,684	21,739	934	4,195	3,461	758
FEDERAL COMMUNICATIONS COMMISSION	1,020	-	-	-	-	1,020	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY	547	-	-	24	216	43	-	33	229
GENERAL SERVICES ADMINISTRATION	235	-	-	-	191	-	-	-	44
NATIONAL AERONAUTICS & SPACE ADMIN	799,646	503,310	228,262	1,026	842	21,773	5,200	19,092	20,441
NATIONAL SCIENCE FOUNDATION	142,546	110	124	21,490	30,339	34,420	19,099	27,253	9,711
NUCLEAR REGULATORY COMMISSION	207,295	-	-	-	-	-	-	-	207,295
TENNESSEE VALLEY AUTHORITY	3,238	-	-	-	-	2,407	-	-	831
US ARMS CONTROL & DISARMAMENT AGENCY	276	17	-	5	-	81	80	-	93
UNITED STATES INFORMATION AGENCY	7	-	-	-	-	7	-	-	-
VETERANS ADMINISTRATION	4,236	-	-	-	-	-	-	-	4,236

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-29. FEDERAL OBLIGATIONS FOR RESEARCH & ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1984 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ENGINEERING								
	TOTAL	AERO-NAUTICAL	ASTRO-NAUTICAL	CHEMICAL	CIVIL	ELEC-TRICAL	MECHAN-ICAL	METAL-LURGY AND MATERIALS	ENGI-NEERING NEC
TOTAL, ALL AGENCIES	3,551,822	838,451	347,849	143,817	199,734	610,365	198,424	346,281	866,901
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	55,150	-	-	6,324	3,961	349	4,532	-	39,984
AGRICULTURAL RESEARCH SERVICE	32,973	-	-	3,295	2,098	349	1,143	-	26,129
COOPERATIVE STATE RESEARCH SERVICE	7,744	-	-	-	-	-	-	-	7,744
FOREST SERVICE	14,612	-	-	3,069	1,863	-	3,389	-	6,291
DEPARTMENT OF COMMERCE, TOTAL	87,336	-	-	1,410	9,009	9,406	2,352	6,354	8,805
NATIONAL BUREAU OF STANDARDS	29,996	-	-	1,410	7,203	5,046	2,352	6,354	7,631
NAT'L OCEANIC & ATMOSPHERIC ADMIN	4,100	-	-	-	1,806	1,120	-	-	1,174
NAT'L TELECOMM & INFORMATION ADMIN	3,240	-	-	-	-	3,240	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	1,463,403	262,089	82,261	36,552	50,035	494,373	127,836	180,907	229,350
DEPARTMENT OF THE ARMY	303,467	36,717	4,415	21,710	28,155	124,836	42,908	26,300	18,426
DEPARTMENT OF THE NAVY	374,832	38,614	-	11,758	3,902	94,067	95,472	52,743	118,276
DEPARTMENT OF THE AIR FORCE	417,667	124,810	65,488	2,903	5,675	149,398	22,702	41,263	5,428
DEFENSE AGENCIES	367,437	61,948	12,358	181	12,303	126,072	6,754	60,601	87,220
DEPARTMENT OF EDUCATION	6,910	-	-	-	-	-	-	-	6,910
DEPARTMENT OF ENERGY	439,105	-	-	54,372	37,677	30,256	15,148	69,195	232,457
DEPT OF HLTH & HUMAN SERVICES, TOTAL	44,415	-	-	-	-	-	-	-	44,415
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	68	-	-	-	-	-	-	-	68
NATIONAL INSTITUTES OF HEALTH	44,347	-	-	-	-	-	-	-	44,347
DEPT OF HOUSING & URBAN DEVELOPMENT	1,318	-	-	-	-	-	-	-	1,318
DEPARTMENT OF THE INTERIOR, TOTAL	118,954	-	-	664	11,058	687	915	34,771	70,859
BUREAU OF MINES	104,730	-	-	-	-	-	-	34,671	70,059
BUREAU OF RECLAMATION	4,410	-	-	-	3,295	320	95	-	700
GEOLOGICAL SURVEY	6,320	-	-	-	5,233	317	770	-	-
MINERAL MANAGEMENT SERVICE	1,500	-	-	400	800	50	50	100	100
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	517	-	-	-	517	-	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	1,477	-	-	264	1,213	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	1,200	-	-	-	-	400	200	-	600
DRUG ENFORCEMENT ADMINISTRATION	600	-	-	-	-	-	-	-	600
IMMIGRATION & NATURALIZATION SVC	400	-	-	-	-	400	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	200	-	-	-	-	-	200	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	62,118	2,835	1,323	1,086	34,154	3,655	15,919	1,700	1,446
COAST GUARD	2,123	-	-	-	2,023	-	100	-	-
FEDERAL AVIATION ADMINISTRATION	18,900	2,835	1,323	-	12,285	2,457	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	5,385	-	-	600	3,100	300	785	600	-
FEDERAL RAILROAD ADMINISTRATION	5,003	-	-	186	1,360	223	1,488	500	1,246
MARITIME ADMINISTRATION	4,500	-	-	-	-	400	3,300	400	200
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	9,866	-	-	-	-	-	9,866	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN	1,150	-	-	300	195	275	380	-	-
URBAN MASS TRANSPORTATION ADMIN	15,191	-	-	-	15,191	-	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	48	-	-	-	-	-	48	-	-
BUREAU OF ENGRAVING AND PRINTING	48	-	-	-	-	-	48	-	-
OTHER AGENCIES									
AGENCY FOR INTERNAT'L DEVELOPMENT	4,827	-	-	-	2,760	-	-	-	2,067
ENVIRONMENTAL PROTECTION AGENCY	37,140	-	-	16,950	14,169	618	3,239	2,235	329
FEDERAL COMMUNICATIONS COMMISSION	940	-	-	-	-	940	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY	546	-	-	26	215	43	-	33	228
GENERAL SERVICES ADMINISTRATION	307	-	-	-	115	-	-	-	192
NATIONAL AERONAUTICS & SPACE ADMIN	908,577	573,397	264,117	1,100	600	24,468	5,700	18,758	20,437
NATIONAL SCIENCE FOUNDATION	168,609	130	148	25,733	35,981	40,807	22,535	32,326	10,947
NUCLEAR REGULATORY COMMISSION	190,862	-	-	-	-	-	-	-	190,862
TENNESSEE VALLEY AUTHORITY	4,200	-	-	-	-	2,720	-	-	1,480
US ARMS CONTROL & DISARMAMENT AGENCY	385	-	-	-	-	150	-	-	235
UNITED STATES INFORMATION AGENCY	1,493	-	-	-	-	1,493	-	-	-
VETERANS ADMINISTRATION	3,980	-	-	-	-	-	-	-	3,980

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-30. FEDERAL OBLIGATIONS FOR RESEARCH IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1985 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ENGINEERING								
	TOTAL	AERO-NAUTICAL	ASTRO-NAUTICAL	CHEMICAL	CIVIL	ELEC-TRICAL	MECHAN-ICAL	METAL-LURGY AND MATERIALS	ENGI-NEERING NEC
TOTAL, ALL AGENCIES	3,845,513	945,125	378,068	143,533	219,957	690,078	216,470	369,238	883,044
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	55,045	-	-	6,307	3,925	360	4,403	-	40,050
AGRICULTURAL RESEARCH SERVICE	34,044	-	-	3,360	2,166	360	1,181	-	26,977
COOPERATIVE STATE RESEARCH SERVICE	7,089	-	-	-	-	-	-	-	7,089
FOREST SERVICE	13,912	-	-	2,947	1,759	-	3,222	-	5,984
DEPARTMENT OF COMMERCE, TOTAL	29,759	-	-	1,460	1,453	9,486	2,199	7,341	7,820
NATIONAL BUREAU OF STANDARDS	25,398	-	-	1,460	1,352	5,226	2,199	7,341	7,820
NAT'L OCEANIC & ATMOSPHERIC ADMIN	1,121	-	-	-	101	1,020	-	-	-
NAT'L TELECOMM & INFORMATION ADMIN	3,240	-	-	-	-	3,240	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	1,690,879	314,515	74,994	40,110	65,092	554,982	143,190	187,717	270,279
DEPARTMENT OF THE ARMY	357,612	46,095	-	24,110	32,030	143,765	49,071	35,396	27,545
DEPARTMENT OF THE NAVY	430,234	40,688	-	12,388	2,622	113,703	64,840	58,475	137,418
DEPARTMENT OF THE AIR FORCE	448,286	147,759	71,742	3,462	6,275	164,531	23,338	44,967	6,212
DEFENSE AGENCIES	394,847	79,973	3,252	150	24,165	133,383	5,941	48,879	99,104
DEPARTMENT OF EDUCATION	6,592	-	-	-	-	-	-	-	6,592
DEPARTMENT OF ENERGY	479,517	-	-	45,752	43,463	33,943	15,063	81,229	260,067
DEPT OF HLTH & HUMAN SERVICES, TOTAL	45,493	-	-	-	-	-	-	-	45,493
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	65	-	-	-	-	-	-	-	65
NATIONAL INSTITUTES OF HEALTH	45,428	-	-	-	-	-	-	-	45,428
DEPT OF HOUSING & URBAN DEVELOPMENT	2,287	-	-	-	-	-	-	-	2,287
DEPARTMENT OF THE INTERIOR, TOTAL	78,122	-	-	430	8,331	707	678	31,172	36,804
BUREAU OF MINES	66,636	-	-	-	-	-	-	30,922	35,714
BUREAU OF RECLAMATION	5,062	-	-	-	3,787	385	50	-	840
GEOLOGICAL SURVEY	4,300	-	-	-	3,450	272	578	-	-
MINERAL MANAGEMENT SERVICE	1,800	-	-	400	800	50	50	250	250
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	150	-	-	-	150	-	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	174	-	-	30	144	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	900	-	-	-	-	200	200	-	500
DRUG ENFORCEMENT ADMINISTRATION	500	-	-	-	-	-	-	-	500
IMMIGRATION & NATURALIZATION SVC	200	-	-	-	-	200	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	200	-	-	-	-	-	200	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	57,460	2,955	1,379	750	31,635	4,741	13,200	1,100	1,700
COAST GUARD	3,325	-	-	-	1,825	1,500	-	-	-
FEDERAL AVIATION ADMINISTRATION	13,700	2,955	1,379	-	12,805	2,561	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	6,100	-	-	600	3,650	300	950	600	-
FEDERAL RAILROAD ADMINISTRATION	2,490	-	-	50	1,050	80	410	300	600
MARITIME ADMINISTRATION	2,900	-	-	-	-	300	1,300	200	1,100
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	10,240	-	-	-	-	-	10,240	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN	400	-	-	100	-	-	300	-	-
URBAN MASS TRANSPORTATION ADMIN	12,305	-	-	-	12,305	-	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	54	-	-	-	-	-	54	-	-
BUREAU OF ENGRAVING AND PRINTING	54	-	-	-	-	-	54	-	-
OTHER AGENCIES									
AGENCY FOR INTERNAT'L DEVELOPMENT	4,745	-	-	-	3,027	-	-	-	1,718
ENVIRONMENTAL PROTECTION AGENCY	41,728	-	-	16,349	17,964	714	3,740	2,581	380
FEDERAL COMMUNICATIONS COMMISSION	825	-	-	-	-	825	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY	1,024	-	-	50	403	81	-	62	428
GENERAL SERVICES ADMINISTRATION	40	-	-	-	40	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	1,006,251	627,500	301,514	1,300	700	27,127	6,100	20,050	21,960
NATIONAL SCIENCE FOUNDATION	203,577	155	181	31,025	43,924	49,512	27,643	37,986	13,151
NUCLEAR REGULATORY COMMISSION	168,415	-	-	-	-	-	-	-	168,415
TENNESSEE VALLEY AUTHORITY	4,550	-	-	-	-	3,350	-	-	1,200
US ARMS CONTROL & DISARMAMENT AGENCY	150	-	-	-	-	50	-	-	100
UNITED STATES INFORMATION AGENCY	4,000	-	-	-	-	4,000	-	-	-
VETERANS ADMINISTRATION	4,100	-	-	-	-	-	-	-	4,100

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-31. FEDERAL OBLIGATIONS FOR RESEARCH IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHEMATICS	COMPUTER SCIENCES	MATHEMATICS AND COMPUTER SCIENCES NEC	TOTAL	ANTHROPOLOGY	ECONOMICS	POLITICAL SCIENCE	SOCIOLOGY	SOCIAL SCIENCES NEC
TOTAL, ALL AGENCIES	419,416	133,511	214,555	71,350	435,268	12,799	165,551	11,147	67,815	177,956
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	13,229	13,229	-	-	97,938	-	91,842	297	5,016	783
AGRICULTURAL COOPERATIVE SERVICE	-	-	-	-	2,145	-	2,145	-	-	-
AGRICULTURAL RESEARCH SERVICE	1,511	1,511	-	-	1,335	-	885	-	16	434
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	47,864	-	45,331	-	2,533	-
ECONOMIC RESEARCH SERVICE	-	-	-	-	38,777	-	37,691	167	570	349
FOREST SERVICE	3,718	3,718	-	-	7,817	-	5,790	130	1,897	-
HUMAN NUTRITION INFORMATION SERVICE	400	400	-	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE	7,600	7,600	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	12,504	6,623	3,938	1,943	7,675	-	6,218	1,076	219	162
BUREAU OF THE CENSUS	1,470	1,267	203	-	482	-	263	-	219	-
ECONOMIC DEVELOPMENT ADMINISTRATION	-	-	-	-	4,773	-	4,773	-	-	-
NATIONAL BUREAU OF STANDARDS	9,167	4,856	2,368	1,943	216	-	216	-	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	1,544	500	1,044	-	2,204	-	946	1,076	-	162
NAT'L TELECOMM & INFORMATION ADMIN	323	-	323	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	221,744	46,721	114,364	60,659	7,140	-	1,742	2,164	2,465	769
DEPARTMENT OF THE ARMY	19,341	8,968	9,367	1,006	2,064	-	1,742	-	327	-
DEPARTMENT OF THE NAVY	49,152	14,695	25,523	8,974	3,143	-	-	-	2,143	-
DEPARTMENT OF THE AIR FORCE	45,127	14,791	27,341	2,975	-	-	-	-	-	-
DEFENSE AGENCIES	108,124	8,307	52,133	47,704	2,933	-	-	2,164	-	769
DEPARTMENT OF EDUCATION	-	-	-	-	51,636	-	-	-	709	50,947
DEPARTMENT OF ENERGY	22,195	9,821	8,490	3,844	5,941	-	-	-	-	5,941
DEPT OF HLTH & HUMAN SERVICES, TOTAL	11,811	11,549	262	-	130,010	550	12,348	1,628	44,198	71,286
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	424	162	262	-	32,764	550	54	1,628	25,693	4,839
HEALTH CARE FINANCING ADMIN	-	-	-	-	30,208	-	-	-	-	30,208
HUMAN DEVELOPMENT SERVICES	-	-	-	-	6,871	-	-	-	-	6,871
NATIONAL INSTITUTES OF HEALTH	11,387	11,387	-	-	18,324	-	-	-	-	18,324
OFFICE OF ASST'T SEC'Y FOR HEALTH	-	-	-	-	16,624	-	1,463	-	14,895	266
OFFICE OF THE SECRETARY	-	-	-	-	14,441	-	10,831	-	3,610	-
SOCIAL SECURITY ADMINISTRATION	-	-	-	-	10,778	-	-	-	-	10,778
DEPT OF HOUSING & URBAN DEVELOPMENT	-	-	-	-	9,303	-	2,678	238	-	6,387
DEPARTMENT OF THE INTERIOR, TOTAL	3,413	400	3,013	-	1,679	950	293	70	566	-
BUREAU OF RECLAMATION	-	-	-	-	112	-	15	-	97	-
GEOLOGICAL SURVEY	3,215	400	2,815	-	-	-	-	-	-	-
NATIONAL PARK SERVICE	-	-	-	-	1,419	950	-	-	469	-
OFFICE OF THE SECRETARY	138	-	138	-	278	-	278	-	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	60	-	60	-	70	-	-	70	-	-
DEPARTMENT OF JUSTICE, TOTAL	-	-	-	-	17,356	250	700	1,481	3,015	11,910
FEDERAL PRISON SYSTEM	-	-	-	-	990	-	-	640	250	100
OFF OF JUSTICE ASSIST, RSCH, & STAT	-	-	-	-	16,166	250	700	841	2,765	11,610
OFFICE OF LEGAL POLICY	-	-	-	-	200	-	-	-	-	200
DEPARTMENT OF LABOR, TOTAL	-	-	-	-	17,943	-	17,943	-	-	-
BUREAU OF LABOR STATISTICS	-	-	-	-	665	-	665	-	-	-
EMPLOYMENT STANDARDS ADMINISTRATION	-	-	-	-	1,400	-	1,400	-	-	-
EMPLOYMENT AND TRAINING ADMIN	-	-	-	-	7,907	-	7,907	-	-	-
LABOR-MANAGEMENT SERVICES ADMIN	-	-	-	-	882	-	882	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	-	-	-	-	5,264	-	5,264	-	-	-
OFFICE OF THE SECRETARY	-	-	-	-	1,525	-	1,525	-	-	-
PENSION BENEFIT GUARANTEE CORPORATION	-	-	-	-	300	-	300	-	-	-

CONTINUED ON NEXT PAGE

TABLE C-31. FEDERAL OBLIGATIONS FOR RESEARCH IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

– CONTINUED

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHEMATICS	COMPUTER SCIENCES	MATHEMATICS AND COMPUTER SCIENCES NEC	TOTAL	ANTHROPOLOGY	ECONOMICS	POLITICAL SCIENCE	SOCIOLOGY	SOCIAL SCIENCES NEC
DEPARTMENT OF STATE, TOTAL	–	–	–	–	1,416	–	120	–	–	1,296
DEPARTMENTAL FUNDS	–	–	–	–	1,416	–	120	–	–	1,296
DEPARTMENT OF TRANSPORTATION, TOTAL	2,914	–	784	2,130	7,590	–	3,123	–	4,422	45
COAST GUARD	–	–	–	–	145	–	–	–	100	45
FEDERAL HIGHWAY ADMINISTRATION	491	–	476	15	373	–	373	–	–	–
FEDERAL RAILROAD ADMINISTRATION	8	–	8	–	–	–	–	–	–	–
MARITIME ADMINISTRATION	300	–	300	–	–	–	–	–	–	–
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	2,115	–	–	2,115	5,352	–	1,900	–	3,452	–
OFFICE OF THE SECRETARY	–	–	–	–	210	–	210	–	–	–
RESEARCH & SPECIAL PROGRAMS ADMIN	–	–	–	–	1,010	–	640	–	370	–
URBAN MASS TRANSPORTATION ADMIN	–	–	–	–	500	–	–	–	500	–
DEPARTMENT OF THE TREASURY, TOTAL	4,043	2,937	1,106	–	3,851	–	3,851	–	–	–
INTERNAL REVENUE SERVICE	4,043	2,937	1,106	–	3,851	–	3,851	–	–	–
OTHER AGENCIES										
ADVISORY COMM ON INTERGOV'TL RELATIONS	–	–	–	–	2,110	–	1,095	1,095	–	–
AGENCY FOR INTERNAT'L DEVELOPMENT	1,994	–	1,994	–	6,021	–	1,196	–	3,850	975
APPALACHIAN REGIONAL COMMISSION	–	–	–	–	247	–	247	–	–	–
ENVIRONMENTAL PROTECTION AGENCY	4,023	320	3,703	–	2,202	–	1,912	142	148	–
FEDERAL COMMUNICATIONS COMMISSION	–	–	–	–	297	–	222	–	–	75
FEDERAL EMERGENCY MANAGEMENT AGENCY	587	123	182	282	1,068	–	873	53	56	106
FEDERAL HOME LOAN BANK BOARD	–	–	–	–	3,038	–	3,038	–	–	–
FEDERAL TRADE COMMISSION	–	–	–	–	1,364	–	1,364	–	–	–
INTERNATIONAL TRADE COMMISSION	–	–	–	–	4,672	–	4,672	–	–	–
NATIONAL AERONAUTICS & SPACE ADMIN	48,795	3,954	42,349	2,492	296	–	–	–	–	296
NATIONAL SCIENCE FOUNDATION	72,204	37,834	34,370	–	33,937	6,282	10,114	2,841	3,151	11,549
SMITHSONIAN INSTITUTION	–	–	–	–	20,191	4,767	–	–	–	15,424
US ARMS CONTROL & DISARMAMENT AGENCY	–	–	–	–	107	–	–	102	–	5

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-32. FEDERAL OBLIGATIONS FOR RESEARCH IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1984 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHEMATICS	COMPUTER SCIENCES	MATHEMATICS AND COMPUTER SCIENCES NEC	TOTAL	ANTHROPOLOGY	ECONOMICS	POLITICAL SCIENCE	SOCIOLOGY	SOCIAL SCIENCES NEC
TOTAL, ALL AGENCIES	446,199	145,177	219,445	81,577	481,456	18,026	180,995	10,122	76,243	196,210
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	13,466	13,466	-	-	104,666	-	98,350	261	5,239	816
AGRICULTURAL COOPERATIVE SERVICE	-	-	-	-	2,180	-	2,180	-	-	-
AGRICULTURAL RESEARCH SERVICE	1,526	1,526	-	-	1,297	-	864	-	16	417
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	49,057	-	46,461	-	2,596	-
ECONOMIC RESEARCH SERVICE	-	-	-	-	44,329	-	43,088	133	709	399
FOREST SERVICE	3,740	3,740	-	-	7,803	-	5,757	128	1,918	-
STATISTICAL REPORTING SERVICE	8,200	8,200	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	14,118	8,050	4,119	1,949	7,544	-	6,134	1,030	218	162
BUREAU OF THE CENSUS	1,956	1,354	202	-	480	-	262	-	218	-
ECONOMIC DEVELOPMENT ADMINISTRATION	-	-	-	-	4,773	-	4,773	-	-	-
NATIONAL BUREAU OF STANDARDS	10,574	6,144	2,481	1,949	218	-	218	-	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	1,639	552	1,087	-	2,073	-	881	1,030	-	162
NAT'L TELECMN & INFRMATION ADMIN	349	-	349	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	223,629	46,448	105,232	71,949	4,269	-	647	1,365	2,257	-
DEPARTMENT OF THE ARMY	21,134	7,425	12,789	920	971	-	647	-	324	-
DEPARTMENT OF THE NAVY	46,903	12,911	24,994	8,998	1,933	-	-	-	1,933	-
DEPARTMENT OF THE AIR FORCE	47,966	17,054	27,362	3,050	-	-	-	-	-	-
DEFENSE AGENCIES	107,626	8,958	40,087	58,981	1,365	-	-	1,365	-	-
DEPARTMENT OF EDUCATION	-	-	-	-	56,823	-	200	-	851	55,772
DEPARTMENT OF ENERGY	24,141	9,870	10,400	3,871	5,978	-	-	-	-	5,978
DEPT OF HLTH & HUMAN SERVICES, TOTAL	13,190	12,893	297	-	144,332	678	8,876	1,978	51,427	81,373
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	493	196	297	-	41,281	678	65	1,978	31,439	7,121
HEALTH CARE FINANCING ADMIN	-	-	-	-	31,000	-	-	-	-	31,000
HUMAN DEVELOPMENT SERVICES	-	-	-	-	5,457	-	-	-	-	5,457
NATIONAL INSTITUTES OF HEALTH	12,697	12,697	-	-	20,333	-	-	-	-	20,333
OFFICE OF ASST'T SECY FOR HEALTH	-	-	-	-	19,155	-	1,686	-	17,163	306
OFFICE OF THE SECRETARY	-	-	-	-	9,500	-	7,125	-	2,375	-
SOCIAL SECURITY ADMINISTRATION	-	-	-	-	17,606	-	-	-	450	17,156
DEPT OF HOUSING & URBAN DEVELOPMENT	-	-	-	-	9,169	-	829	-	-	8,340
DEPARTMENT OF THE INTERIOR, TOTAL	5,856	1,007	4,849	-	2,641	1,000	1,091	-	550	-
BUREAU OF RECLAMATION	-	-	-	-	65	-	15	-	50	-
GEOLOGICAL SURVEY	5,368	781	4,587	-	-	-	-	-	-	-
NATIONAL PARK SERVICE	-	-	-	-	1,500	1,000	-	-	500	-
OFFICE OF THE SECRETARY	262	-	262	-	525	-	525	-	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	-	-	-	-	130	-	130	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	226	226	-	-	421	-	421	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	-	-	-	-	18,753	300	700	600	4,635	12,518
FEDERAL PRISON SYSTEM	-	-	-	-	900	-	-	-	800	100
OFF OF JUSTICE ASSIST, RSCH, & STAT	-	-	-	-	17,453	300	700	600	3,835	12,018
OFFICE OF LEGAL POLICY	-	-	-	-	400	-	-	-	-	400
DEPARTMENT OF LABOR, TOTAL	-	-	-	-	17,420	-	17,420	-	-	-
BUREAU OF LABOR STATISTICS	-	-	-	-	547	-	547	-	-	-
EMPLOYMENT STANDARDS ADMINISTRATION	-	-	-	-	935	-	935	-	-	-
EMPLOYMENT AND TRAINING ADMIN	-	-	-	-	6,937	-	6,937	-	-	-
LABOR-MANAGEMENT SERVICES ADMIN	-	-	-	-	1,926	-	1,926	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	-	-	-	-	5,075	-	5,075	-	-	-
OFFICE OF THE SECRETARY	-	-	-	-	1,700	-	1,700	-	-	-
PENSION BENEFIT GUARANTEE CORPORATION	-	-	-	-	300	-	300	-	-	-

CONTINUED ON NEXT PAGE

TABLE C-32. FEDERAL OBLIGATIONS FOR RESEARCH IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1984 (ESTIMATED)

(THOUSANDS OF DOLLARS)

– CONTINUED

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHEMATICS	COMPUTER SCIENCES	MATHEMATICS AND COMPUTER SCIENCES NEC	TOTAL	ANTHROPOLOGY	ECONOMICS	POLITICAL SCIENCE	SOCIOLOGY	SOCIAL SCIENCES NEC
DEPARTMENT OF STATE, TOTAL	–	–	–	–	1,468	–	125	–	–	1,343
DEPARTMENTAL FUNDS	–	–	–	–	1,468	–	125	–	–	1,343
DEPARTMENT OF TRANSPORTATION, TOTAL	2,996	–	619	2,377	10,369	–	5,684	–	4,585	100
COAST GUARD	–	–	–	–	148	–	–	–	148	–
FEDERAL HIGHWAY ADMINISTRATION	450	–	400	50	450	–	350	–	–	100
FEDERAL RAILROAD ADMINISTRATION	19	–	19	–	–	–	–	–	–	–
MARITIME ADMINISTRATION	200	–	200	–	–	–	–	–	–	–
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	2,327	–	–	2,327	8,531	–	4,619	–	3,912	–
OFFICE OF THE SECRETARY	–	–	–	–	190	–	190	–	–	–
RESEARCH & SPECIAL PROGRAMS ADMIN	–	–	–	–	650	–	525	–	125	–
URBAN MASS TRANSPORTATION ADMIN	–	–	–	–	400	–	–	–	400	–
DEPARTMENT OF THE TREASURY, TOTAL	3,786	3,148	638	–	4,294	–	3,214	–	–	1,080
INTERNAL REVENUE SERVICE	3,786	3,148	638	–	4,294	–	3,214	–	–	1,080
OTHER AGENCIES										
ADVISORY COMM ON INTERGOV'TL RELATIONS	–	–	–	–	2,064	–	1,032	1,032	–	–
AGENCY FOR INTERNAT'L DEVELOPMENT	1,457	–	1,457	–	3,690	–	470	–	2,670	550
APPALACHIAN REGIONAL COMMISSION	–	–	–	–	350	–	350	–	–	–
ENVIRONMENTAL PROTECTION AGENCY	3,991	344	3,647	–	12,303	–	11,903	400	200	–
FEDERAL COMMUNICATIONS COMMISSION	–	–	–	–	529	–	375	–	–	154
FEDERAL EMERGENCY MANAGEMENT AGENCY	584	122	181	281	1,083	–	848	53	56	106
FEDERAL HOME LOAN BANK BOARD	–	–	–	–	2,970	–	2,970	–	–	–
FEDERAL TRADE COMMISSION	–	–	–	–	1,958	–	1,958	–	–	–
GENERAL SERVICES ADMINISTRATION	50	–	50	–	–	–	–	–	–	–
INTERNATIONAL TRADE COMMISSION	–	–	–	–	4,584	–	4,584	–	–	–
NATIONAL AERONAUTICS & SPACE ADMIN	54,709	5,000	48,609	1,100	300	–	–	–	–	300
NATIONAL SCIENCE FOUNDATION	84,176	44,829	39,347	–	38,502	6,683	13,475	3,308	3,595	11,481
SMITHSONIAN INSTITUTION	–	–	–	–	25,457	9,365	–	–	–	16,092
US ARMS CONTROL & DISARMAMENT AGENCY	50	–	–	50	340	–	–	295	–	45

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-33. FEDERAL OBLIGATIONS FOR RESEARCH IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1985 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHEMATICS	COMPUTER SCIENCES	MATHEMATICS AND COMPUTER SCIENCES NEC	TOTAL	ANTHROPOLOGY	ECONOMICS	POLITICAL SCIENCE	SOCIOLOGY	SOCIAL SCIENCES NEC
TOTAL, ALL AGENCIES	579,242	172,076	253,526	153,640	473,046	20,910	183,261	11,343	70,872	186,660
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	13,613	13,613	-	-	103,572	-	97,422	262	5,030	858
AGRICULTURAL COOPERATIVE SERVICE	-	-	-	-	1,426	-	1,426	-	-	-
AGRICULTURAL RESEARCH SERVICE	1,575	1,575	-	-	1,340	-	893	-	17	430
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	45,974	-	43,541	-	2,433	-
ECONOMIC RESEARCH SERVICE	-	-	-	-	47,480	-	46,150	142	760	428
FOREST SERVICE	3,538	3,538	-	-	7,352	-	5,412	120	1,820	-
STATISTICAL REPORTING SERVICE	8,500	8,500	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	14,146	7,849	4,278	2,019	758	-	488	-	270	-
BUREAU OF THE CENSUS	1,976	1,346	630	-	480	-	262	-	218	-
NATIONAL BUREAU OF STANDARDS	10,327	6,000	2,308	2,019	226	-	226	-	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	1,493	503	990	-	52	-	-	-	52	-
NAT'L TELECOMM & INFORMATION ADMIN	350	-	350	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	320,393	55,153	122,674	142,566	6,901	-	1,011	2,300	3,590	-
DEPARTMENT OF THE ARMY	26,945	9,230	15,310	2,405	1,517	-	1,011	-	506	-
DEPARTMENT OF THE NAVY	60,342	16,080	33,264	10,998	3,084	-	-	-	3,084	-
DEPARTMENT OF THE AIR FORCE	53,804	20,048	29,838	3,918	-	-	-	-	-	-
DEFENSE AGENCIES	179,302	9,795	44,262	125,245	2,300	-	-	2,300	-	-
DEPARTMENT OF EDUCATION	145	-	-	145	50,158	-	200	-	783	49,175
DEPARTMENT OF ENERGY	37,216	19,090	14,760	3,366	5,194	-	-	-	-	5,194
DEPT OF HLTH & HUMAN SERVICES, TOTAL	13,416	13,127	289	-	139,188	688	7,221	1,911	47,769	81,599
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	479	190	289	-	38,966	688	65	1,911	29,803	6,499
HEALTH CARE FINANCING ADMIN	-	-	-	-	35,000	-	-	-	-	35,000
HUMAN DEVELOPMENT SERVICES	-	-	-	-	3,236	-	-	-	-	3,236
NATIONAL INSTITUTES OF HEALTH	12,937	12,937	-	-	20,358	-	-	-	-	20,358
OFFICE OF ASST'T SECY FOR HEALTH	-	-	-	-	17,400	-	1,531	-	15,591	278
OFFICE OF THE SECRETARY	-	-	-	-	7,500	-	5,625	-	1,875	-
SOCIAL SECURITY ADMINISTRATION	-	-	-	-	16,728	-	-	-	500	16,228
DEPT OF HOUSING & URBAN DEVELOPMENT	-	-	-	-	8,820	-	1,031	-	-	7,789
DEPARTMENT OF THE INTERIOR, TOTAL	4,320	532	3,788	-	1,597	1,000	72	-	525	-
BUREAU OF RECLAMATION	-	-	-	-	45	-	20	-	25	-
GEOLOGICAL SURVEY	4,292	504	3,788	-	-	-	-	-	-	-
NATIONAL PARK SERVICE	-	-	-	-	1,500	1,000	-	-	500	-
OFFICE OF WATER RSCH & TECHNOLOGY	28	28	-	-	52	-	52	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	-	-	-	-	12,898	300	600	800	3,300	7,898
FEDERAL PRISON SYSTEM	-	-	-	-	800	-	-	-	700	100
OFF OF JUSTICE ASSIST, RSCH, & STAT	-	-	-	-	11,998	300	600	800	2,600	7,698
OFFICE OF LEGAL POLICY	-	-	-	-	100	-	-	-	-	100
DEPARTMENT OF LABOR, TOTAL	-	-	-	-	18,357	-	18,357	-	-	-
BUREAU OF LABOR STATISTICS	-	-	-	-	621	-	621	-	-	-
EMPLOYMENT STANDARDS ADMINISTRATION	-	-	-	-	963	-	963	-	-	-
EMPLOYMENT AND TRAINING ADMIN	-	-	-	-	6,976	-	6,976	-	-	-
LABOR-MANAGEMENT SERVICES ADMIN	-	-	-	-	2,522	-	2,522	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	-	-	-	-	5,075	-	5,075	-	-	-
OFFICE OF THE SECRETARY	-	-	-	-	1,800	-	1,800	-	-	-
PENSION BENEFIT GUARANTEE CORPORATION	-	-	-	-	400	-	400	-	-	-

CONTINUED ON NEXT PAGE

TABLE C-33. FEDERAL OBLIGATIONS FOR RESEARCH IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1985 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHEMATICS	COMPUTER SCIENCES	MATHEMATICS AND COMPUTER SCIENCES NEC	TOTAL	ANTHROPOLOGY	ECONOMICS	POLITICAL SCIENCE	SOCIOLOGY	SOCIAL SCIENCES NEC
DEPARTMENT OF STATE, TOTAL	-	-	-	-	1,455	-	120	-	-	1,335
DEPARTMENTAL FUNDS	-	-	-	-	1,455	-	120	-	-	1,335
DEPARTMENT OF TRANSPORTATION, TOTAL	4,437	-	1,110	3,327	10,521	-	7,595	-	2,826	100
FEDERAL HIGHWAY ADMINISTRATION	800	-	700	100	400	-	300	-	-	100
FEDERAL RAILROAD ADMINISTRATION	10	-	10	-	-	-	-	-	-	-
MARITIME ADMINISTRATION	400	-	400	-	-	-	-	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	3,227	-	-	3,227	9,721	-	6,895	-	2,826	-
OFFICE OF THE SECRETARY	-	-	-	-	200	-	200	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN	-	-	-	-	200	-	200	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	9,587	6,785	2,802	-	9,031	-	6,986	-	-	2,045
INTERNAL REVENUE SERVICE	9,587	6,785	2,802	-	9,031	-	6,986	-	-	2,045
OTHER AGENCIES										
ADVISORY COMM ON INTERGOV'TL RELATIONS	-	-	-	-	2,151	-	1,076	1,075	-	-
AGENCY FOR INTERNAT'L DEVELOPMENT	1,764	-	1,764	-	3,404	-	433	-	2,170	801
ENVIRONMENTAL PROTECTION AGENCY	4,610	398	4,212	-	14,213	-	13,751	231	231	-
FEDERAL COMMUNICATIONS COMMISSION	-	-	-	-	557	-	458	-	-	99
FEDERAL EMERGENCY MANAGEMENT AGENCY	1,097	229	341	527	2,033	-	1,631	99	105	198
FEDERAL HOME LOAN BANK BOARD	-	-	-	-	2,900	-	2,900	-	-	-
FEDERAL TRADE COMMISSION	-	-	-	-	1,669	-	1,669	-	-	-
INTERNATIONAL TRADE COMMISSION	-	-	-	-	5,520	-	5,520	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	53,385	1,100	50,785	1,300	400	-	-	-	-	400
NATIONAL SCIENCE FOUNDATION	100,988	54,200	46,523	265	42,714	7,067	14,720	4,180	4,273	12,474
SMITHSONIAN INSTITUTION	-	-	-	-	28,550	11,855	-	-	-	16,695
US ARMS CONTROL & DISARMAMENT AGENCY	125	-	-	125	485	-	-	485	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-34. FEDERAL OBLIGATIONS FOR BASIC RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRAMURAL 1/	EXTRAMURAL							
			UNITED STATES AND TERRITORIES							FOREIGN
			INDUSTRIAL FIRMS	FFRDCs ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCs ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCs ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	
TOTAL, ALL AGENCIES	6,260,131	1,689,837	305,712	82,961	3,112,307	591,152	409,585	8,031	32,068	28,478
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	362,019	238,828	34	-	117,122	65	1,670	-	1,180	3,120
AGRICULTURAL RESEARCH SERVICE	215,300	194,668	-	-	17,978	-	690	-	713	1,251
COOPERATIVE STATE RESEARCH SERVICE	98,609	2,938	-	-	94,584	65	960	-	290	-
ECONOMIC RESEARCH SERVICE	3,878	3,623	-	-	255	-	-	-	-	-
FOREST SERVICE	38,760	34,[illegible]	34	-	4,333	-	20	-	177	25
OFF OF INTERNAT'L COOPERATION & DEV	2,314	470	-	-	-	-	-	-	-	1,844
OFFICE OF TRANSPORTATION	458	458	-	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE	2,900	2,900	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	19,721	17,937	349	-	879	-	25	-	-	31
BUREAU OF THE CENSUS	299	213	-	-	86	-	-	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION	327	327	-	-	-	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	18,363	17,196	349	-	793	-	25	-	-	-
OFFICE OF THE SECRETARY	32	1	-	-	-	-	-	-	-	31
DEPARTMENT OF DEFENSE, TOTAL	785,620	275,585	104,521	724	360,432	9,232	27,444	793	60	6,829
DEPARTMENT OF THE ARMY	208,320	115,817	15,939	10	68,358	270	5,051	-	-	2,875
DEPARTMENT OF THE NAVY	305,400	111,130	30,180	-	154,260	25	7,956	215	-	1,626
DEPARTMENT OF THE AIR FORCE	164,200	35,716	26,023	245	89,995	2,179	7,749	185	60	2,048
DEFENSE AGENCIES	107,700	12,922	32,379	469	47,811	6,758	6,688	393	-	280
DEPARTMENT OF EDUCATION	14,182	2,300	1,461	-	5,629	-	4,638	-	154	-
DEPARTMENT OF ENERGY	767,718	17,995	25,386	75,843	162,264	476,005	2,613	6,544	55	1,053
DEPT OF HLTH & HUMAN SERVICES, TOTAL	2,475,400	532,442	20,101	5,009	1,561,279	13,274	311,302	441	21,721	9,831
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	144,950	76,639	2,623	-	51,820	75	10,020	-	3,461	312
HEALTH RESOURCES AND SERVICES ADMINISTRATION	800	800	-	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	2,313,026	448,698	16,148	5,009	1,502,084	13,199	299,892	441	18,260	9,295
OFFICE OF ASST SECY FOR HEALTH	16,624	6,305	1,330	-	7,375	-	1,390	-	-	224
DEPARTMENT OF THE INTERIOR, TOTAL	103,033	84,038	-	-	11,468	-	-	-	6,550	977
BUREAU OF MINES	23,479	16,179	-	-	7,300	-	-	-	-	-
BUREAU OF RECLAMATION	99	99	-	-	-	-	-	-	-	-
GEOLOGICAL SURVEY	64,721	61,613	-	-	3,108	-	-	-	-	-
OFFICE OF THE SECRETARY	7,379	82	-	-	-	-	-	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	455	195	-	-	260	-	-	-	6,350	977
US FISH & WILDLIFE SERVICE	6,900	5,900	-	-	800	-	-	-	200	-
DEPARTMENT OF JUSTICE, TOTAL	3,640	92	-	-	1,267	-	2,281	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	3,640	92	-	-	1,267	-	2,281	-	-	-
DEPARTMENT OF LABOR, TOTAL	5,263	574	-	-	4,689	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	5,263	574	-	-	4,689	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	900	150	350	-	100	300	-	-	-	-
COAST GUARD	400	100	-	-	-	300	-	-	-	-
MARITIME ADMINISTRATION	500	50	350	-	100	-	-	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	3,509	3,073	238	-	198	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING	600	600	-	-	-	-	-	-	-	-
INTERNAL REVENUE SERVICE	2,909	2,473	238	-	198	-	-	-	-	-
OTHER AGENCIES										
AGENCY FOR INTERNAT'L DEVELOPMENT	4,090	568	972	-	89	-	189	-	-	2,272
ENVIRONMENTAL PROTECTION AGENCY	22,217	8,022	3,887	-	10,308	-	-	-	-	-
FEDERAL TRADE COMMISSION	1,159	1,159	-	-	-	-	-	-	-	-
LIBRARY OF CONGRESS	331	331	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADM	617,033	305,480	127,355	-	140,081	17,822	22,571	203	719	2,802
NATIONAL SCIENCE FOUNDATION	999,136	125,643	21,058	1,385	736,502	74,454	36,852	50	1,629	1,563
SMITHSONIAN INSTITUTION	55,960	55,960	-	-	-	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY	5,600	5,600	-	-	-	-	-	-	-	-
VETERANS ADMINISTRATION	14,100	14,100	-	-	-	-	-	-	-	-

1/ INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-35. FEDERAL OBLIGATIONS FOR BASIC RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1984 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRAMURAL 1/	EXTRAMURAL							
			UNITED STATES AND TERRITORIES							FOREIGN
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	
TOTAL, ALL AGENCIES	6,981,031	1,868,159	346,926	89,459	3,502,121	652,446	454,380	7,932	29,055	30,553
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	386,442	258,378	33	-	120,878	-	775	-	1,233	9,145
AGRICULTURAL RESEARCH SERVICE	232,500	210,905	-	-	18,994	-	759	-	781	1,461
COOPERATIVE STATE RESEARCH SERVICE	100,849	3,170	-	-	97,386	-	-	-	293	-
ECONOMIC RESEARCH SERVICE	4,433	4,233	-	-	200	-	-	-	-	-
FOREST SERVICE	41,250	36,739	33	-	4,278	-	16	-	159	25
OFF OF INTERNAT'L COOPERATION & DEV.	4,176	517	-	-	-	-	-	-	-	3,659
OFFICE OF TRANSPORTATION	534	534	-	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE	2,700	2,680	-	-	20	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	20,522	19,102	100	-	933	-	-	-	-	387
BUREAU OF THE CENSUS	414	211	-	-	203	-	-	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION	527	527	-	-	-	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	19,184	18,354	100	-	730	-	-	-	-	-
OFFICE OF THE SECRETARY	397	10	-	-	-	-	-	-	-	387
DEPARTMENT OF DEFENSE, TOTAL	816,990	265,688	111,598	400	395,546	10,860	26,219	686	100	5,493
DEPARTMENT OF THE ARMY	209,190	108,306	17,103	-	74,701	166	6,213	-	-	2,701
DEPARTMENT OF THE NAVY	308,500	104,192	37,096	-	161,538	-	5,336	196	-	142
DEPARTMENT OF THE AIR FORCE	187,900	37,500	30,600	270	106,080	2,400	8,500	200	100	2,250
DEFENSE AGENCIES	111,000	15,690	26,799	130	53,227	8,294	6,170	290	-	400
DEPARTMENT OF EDUCATION	12,351	2,235	1,057	-	4,889	-	3,992	-	178	-
DEPARTMENT OF ENERGY	841,671	39,428	26,445	80,578	172,426	513,245	2,464	6,470	61	554
DEPT OF HLTH & HUMAN SERVICES, TOTAL	2,793,052	592,417	23,410	5,606	1,765,507	14,875	353,710	496	24,669	12,362
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	165,353	81,000	3,687	-	65,143	-	14,882	-	5,079	562
HEALTH RESOURCES AND SERVICES ADMINISTRATION	800	800	-	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	2,607,744	501,665	18,267	5,606	1,699,464	14,875	337,336	496	19,590	10,445
OFFICE OF ASST'T SECY FOR HEALTH	19,155	8,952	1,456	-	5,900	-	1,492	-	-	1,355
DEPARTMENT OF THE INTERIOR, TOTAL	124,667	110,452	-	-	12,876	-	-	-	300	1,039
BUREAU OF MINES	45,469	38,137	-	-	7,332	-	-	-	-	-
BUREAU OF RECLAMATION	214	204	-	-	10	-	-	-	-	-
GEOLOGICAL SURVEY	69,866	65,710	-	-	4,156	-	-	-	-	-
OFFICE OF THE SECRETARY	1,155	116	-	-	-	-	-	-	-	1,039
OFFICE OF WATER RSCH & TECHNOLOGY	763	185	-	-	578	-	-	-	-	-
US FISH & WILDLIFE SERVICE	7,200	6,100	-	-	800	-	-	-	300	-
DEPARTMENT OF JUSTICE, TOTAL	4,015	120	-	-	1,541	-	2,204	-	150	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	4,015	120	-	-	1,541	-	2,204	-	150	-
DEPARTMENT OF LABOR, TOTAL	4,453	1,153	-	-	3,300	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	4,453	1,153	-	-	3,300	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	600	15	131	-	235	-	-	-	-	219
MARITIME ADMINISTRATION	600	15	131	-	235	-	-	-	-	219
DEPARTMENT OF THE TREASURY, TOTAL	3,989	2,829	860	-	300	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING	800	800	-	-	-	-	-	-	-	-
INTERNAL REVENUE SERVICE	3,189	2,029	860	-	300	-	-	-	-	-
OTHER AGENCIES										
AGENCY FOR INTERNAT'L DEVELOPMENT	2,719	13	435	-	1,703	-	48	-	-	520
ENVIRONMENTAL PROTECTION AGENCY	22,689	8,154	4,024	-	10,511	-	-	-	-	-
FEDERAL TRADE COMMISSION	1,324	1,324	-	-	-	-	-	-	-	-
GENERAL SERVICES ADMINISTRATION	50	3	47	-	-	-	-	-	-	-
LIBRARY OF CONGRESS	340	340	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	689,133	348,473	141,390	-	155,400	14,416	25,238	205	741	3,270
NATIONAL SCIENCE FOUNDATION	1,172,446	134,077	37,396	2,875	856,076	99,050	39,730	75	1,423	1,564
SMITHSONIAN INSTITUTION	63,758	63,758	-	-	-	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY	5,000	5,000	-	-	-	-	-	-	-	-
VETERANS ADMINISTRATION	15,200	15,200	-	-	-	-	-	-	-	-

1/ INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-36. FEDERAL OBLIGATIONS FOR BASIC RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1985 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRAMURAL 1/	EXTRAMURAL							
			UNITED STATES AND TERRITORIES							FOREIGN
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	
TOTAL, ALL AGENCIES	7,637,587	2,036,194	398,449	105,533	3,833,853	712,780	480,899	8,528	31,863	29,488
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	419,727	264,217	32	-	149,579	-	775	-	1,229	3,895
AGRICULTURAL RESEARCH SERVICE	240,100	215,802	-	-	21,084	-	760	-	783	1,671
COOPERATIVE STATE RESEARCH SERVICE	128,578	3,845	-	-	124,437	-	-	-	296	-
ECONOMIC RESEARCH SERVICE	4,748	4,588	-	-	160	-	-	-	-	-
FOREST SERVICE	40,200	36,101	32	-	3,878	-	15	-	150	24
OFF OF INTERNAT'L COOPERATION & DEV.	2,769	569	-	-	-	-	-	-	-	2,200
OFFICE OF TRANSPORTATION	532	532	-	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE	2,800	2,780	-	-	20	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	18,416	17,560	100	-	564	-	-	-	-	190
BUREAU OF THE CENSUS	404	268	-	-	136	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	17,812	17,282	100	-	430	-	-	-	-	-
OFFICE OF THE SECRETARY	200	10	-	-	-	-	-	-	-	190
DEPARTMENT OF DEFENSE, TOTAL	913,195	307,498	107,750	757	453,440	7,756	[illegible],950	675	100	6,269
DEPARTMENT OF THE ARMY	238,495	116,123	25,500	-	87,412	142	6,117	-	-	3,201
DEPARTMENT OF THE NAVY	359,900	140,849	32,496	-	180,254	-	5,933	205	-	163
DEPARTMENT OF THE AIR FORCE	206,200	39,500	34,000	300	117,700	2,600	9,300	200	100	2,500
DEFENSE AGENCIES	108,600	11,026	15,754	457	68,074	5,014	7,600	270	-	405
DEPARTMENT OF EDUCATION	14,272	2,134	1,043	-	6,198	-	4,498	-	399	-
DEPARTMENT OF ENERGY	944,517	55,948	24,470	93,674	196,703	564,059	2,242	6,940	6	475
DEPT OF HLTH & HUMAN SERVICES, TOTAL	2,925,916	613,437	25,357	7,858	1,853,353	16,507	369,262	620	26,783	12,739
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	169,251	80,828	4,018	-	63,410	-	15,257	-	5,179	559
HEALTH RESOURCES AND SERVICES ADMINISTRATION	900	900	-	-	-	-	-	-	-	-
HUMAN DEVELOPMENT SERVICES	220	20	-	-	-	-	200	-	-	-
NATIONAL INSTITUTES OF HEALTH	2,738,145	523,519	20,167	7,858	1,784,443	16,507	352,447	620	21,604	10,980
OFFICE OF ASST'T SECY FOR HEALTH	17,400	8,170	1,172	-	5,500	-	1,358	-	-	1,200
DEPARTMENT OF THE INTERIOR, TOTAL	102,762	98,106	-	-	4,356	-	-	-	300	-
BUREAU OF MINES	32,336	31,536	-	-	800	-	-	-	-	-
BUREAU OF RECLAMATION	235	135	-	-	100	-	-	-	-	-
GEOLOGICAL SURVEY	63,900	61,144	-	-	2,756	-	-	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	91	91	-	-	-	-	-	-	-	-
US FISH & WILDLIFE SERVICE	6,200	5,200	-	-	700	-	-	-	300	-
DEPARTMENT OF JUSTICE, TOTAL	2,570	77	500	-	500	-	1,093	-	400	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	2,570	77	500	-	500	-	1,093	-	400	-
DEPARTMENT OF LABOR, TOTAL	4,478	1,100	-	-	3,378	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	4,478	1,100	-	-	3,378	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	400	100	-	-	300	-	-	-	-	-
MARITIME ADMINISTRATION	400	100	-	-	300	-	-	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	7,578	5,942	1,393	-	243	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING	800	800	-	-	-	-	-	-	-	-
INTERNAL REVENUE SERVICE	6,778	5,142	1,393	-	243	-	-	-	-	-
OTHER AGENCIES										
AGENCY FOR INTERNAT'L DEVELOPMENT	3,915	278	50	-	2,939	-	48	-	-	600
ENVIRONMENTAL PROTECTION AGENCY	25,526	8,796	4,494	-	12,236	-	-	-	-	-
FEDERAL TRADE COMMISSION	1,419	1,419	-	-	-	-	-	-	-	-
LIBRARY OF CONGRESS	445	445	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	826,721	414,986	181,494	-	173,800	21,435	30,280	205	741	3,780
NATIONAL SCIENCE FOUNDATION	1,335,809	154,230	51,766	3,244	976,262	103,023	43,751	88	1,905	1,540
SMITHSONIAN INSTITUTION	69,321	69,321	-	-	-	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY	5,600	5,600	-	-	-	-	-	-	-	-
VETERANS ADMINISTRATION	15,000	15,000	-	-	-	-	-	-	-	-

1/ INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-37. FEDERAL OBLIGATIONS FOR BASIC RESEARCH, BY DETAILED FIELD OF SCIENCE: FISCAL YEARS 1983, 1984, AND 1985

(THOUSANDS OF DOLLARS)

FIELD OF SCIENCE	ACTUAL, 1983	ESTIMATES	
		1984	1985
TOTAL, ALL FIELDS	6,260,131	6,981,031	7,637,587
LIFE SCIENCES, TOTAL	2,891,336	3,242,937	3,455,352
BIOLOGICAL (EXCLUDING ENVIRONMENTAL)	1,621,857	1,826,314	1,942,437
ENVIRONMENTAL BIOLOGY	92,672	102,970	110,820
AGRICULTURAL	214,245	227,901	264,533
MEDICAL	878,922	990,825	1,037,480
LIFE SCIENCES, NEC	83,640	94,927	100,082
PSYCHOLOGY, TOTAL	92,927	109,053	116,781
BIOLOGICAL ASPECTS	31,396	40,384	39,714
SOCIAL ASPECTS	32,822	36,850	42,258
PSYCHOLOGICAL SCIENCES, NEC	28,709	31,819	34,809
PHYSICAL SCIENCES, TOTAL	1,587,183	1,751,084	1,958,242
ASTRONOMY	354,466	409,167	495,445
CHEMISTRY	342,188	400,553	417,978
PHYSICS	895,104	926,125	1,069,067
PHYSICAL SCIENCES, NEC	15,425	15,241	15,752
ENVIRONMENTAL SCIENCES, TOTAL	580,050	636,400	707,992
ATMOSPHERIC	172,633	188,750	214,900
GEOLOGICAL	178,292	197,336	225,201
OCEANOGRAPHY	192,615	223,275	238,677
ENVIRONMENTAL SCIENCES, NEC	33,510	27,039	28,814
MATHEMATICS & COMPUTER SCIENCES, TOTAL	208,129	228,195	292,194
MATHEMATICS	100,906	110,482	136,302
COMPUTER SCIENCES	90,441	96,328	124,610
MATHEMATICS & COMPUTER SCIENCES, NEC	16,782	21,385	31,282
ENGINEERING, TOTAL	689,503	784,740	866,792
AERONAUTICAL	140,713	163,259	196,974
ASTRONAUTICAL	90,352	99,804	70,222
CHEMICAL	80,402	85,824	89,32[illegible]
CIVIL	32,426	37,129	44,037
ELECTRICAL	95,820	110,734	123,0[illegible]9
MECHANICAL	60,722	63,583	71,47[illegible]
METALLURGY & MATERIALS	182,892	194,759	207,02[illegible]
ENGINEERING, NEC	76,176	99,648	94,523
SOCIAL SCIENCES, TOTAL	137,723	149,994	158,491
ANTHROPOLOGY	11,175	16,294	19,165
ECONOMICS	40,982	44,481	45,990
POLITICAL SCIENCE	4,596	4,056	5,027
SOCIOLOGY	32,772	36,756	36,833
SOCIAL SCIENCES, NEC	48,198	48,407	51,476
OTHER SCIENCES, NEC	73,280	78,626	82,143

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-38. FEDERAL OBLIGATIONS FOR BASIC RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS AND COM-PUTER SCIENCES	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES	6,260,131	2,891,336	92,927	1,587,183	580,050	208,129	689,503	137,723	73,280
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	362,019	269,207	39	39,992	4,914	4,156	19,899	23,812	-
AGRICULTURAL RESEARCH SERVICE	215,300	168,492	-	33,460	1,418	609	11,010	311	-
COOPERATIVE STATE RESEARCH SERVICE	98,809	73,214	-	4,090	512	-	2,804	18,189	-
ECONOMIC RESEARCH SERVICE	3,878	-	-	-	-	-	-	3,878	-
FOREST SERVICE	38,760	24,729	39	2,442	2,984	1,047	6,085	1,434	-
OFF OF INTERNAT'L COOPERATION & DEV.	2,314	2,314	-	-	-	-	-	-	-
OFFICE OF TRANSPORTATION	458	458	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE	2,500	-	-	-	-	2,500	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	19,221	527	57	15,748	-	1,202	1,647	40	-
BUREAU OF THE CENSUS	299	-	57	-	-	242	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION	527	527	-	-	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	18,363	-	-	15,716	-	960	1,647	40	-
OFFICE OF THE SECRETARY	32	-	-	32	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	785,620	82,468	20,741	198,442	103,574	101,554	254,185	3,201	21,495
DEPARTMENT OF THE ARMY	208,320	50,091	5,556	58,653	13,408	11,772	58,639	-	10,201
DEPARTMENT OF THE NAVY	305,400	19,137	7,847	98,007	70,684	29,026	68,511	2,143	10,025
DEPARTMENT OF THE AIR FORCE	164,200	9,470	6,509	39,289	12,689	16,820	79,423	-	-
DEFENSE AGENCIES	107,700	3,770	809	2,493	6,793	43,936	47,612	1,058	1,229
DEPARTMENT OF EDUCATION	14,182	-	-	-	-	-	-	14,182	-
DEPARTMENT OF ENERGY	767,718	29,495	-	639,212	11,587	13,811	72,696	-	917
DEPT OF HLTH & HUMAN SERVICES, TOTAL	2,475,400	2,255,312	60,476	61,758	-	6,158	24,231	33,585	33,880
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	144,950	91,696	37,679	882	-	136	-	12,125	2,432
HEALTH RESOURCES AND SERVICES ADMINISTRATION	800	800	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	2,313,026	2,162,816	22,797	60,876	-	6,022	24,231	4,836	31,448
OFFICE OF ASST'T SECY FOR HEALTH	16,624	-	-	-	-	-	-	16,624	-
DEPARTMENT OF THE INTERIOR, TOTAL	103,033	6,900	-	2,920	68,339	1,018	23,578	278	-
BUREAU OF MINES	23,479	-	-	-	-	-	23,479	-	-
BUREAU OF RECLAMATION	99	-	-	-	-	-	99	-	-
GEOLOGICAL SURVEY	64,721	-	-	2,640	61,201	880	-	-	-
OFFICE OF THE SECRETARY	7,379	-	-	-	6,963	138	-	278	-
OFFICE OF WATER RSCH & TECHNOLOGY	455	-	-	280	175	-	-	-	-
US FISH & WILDLIFE SERVICE	6,900	6,900	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	3,640	-	100	-	-	-	-	3,540	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	3,640	-	100	-	-	-	-	3,540	-
DEPARTMENT OF LABOR, TOTAL	5,263	-	-	-	-	-	-	5,263	-
EMPLOYMENT AND TRAINING ADMIN	5,263	-	-	-	-	-	-	5,263	-
DEPARTMENT OF TRANSPORTATION, TOTAL	900	-	-	400	-	-	500	-	-
COAST GUARD	400	-	-	400	-	-	-	-	-
MARITIME ADMINISTRATION	500	-	-	-	-	-	500	-	-
DEPARTMENT OF THE TREASURY, TOTAL	3,509	-	-	600	-	1,197	-	1,712	-
BUREAU OF ENGRAVING AND PRINTING	600	-	-	600	-	-	-	-	-
INTERNAL REVENUE SERVICE	2,909	-	-	-	-	1,197	-	1,712	-
OTHER AGENCIES									
AGENCY FOR INTERNAT'L DEVELOPMENT	4,090	2,469	-	-	-	50	20	1,551	-
ENVIRONMENTAL PROTECTION AGENCY	22,217	7,780	58	2,255	4,092	257	5,912	1,850	13
FEDERAL TRADE COMMISSION	1,159	-	-	-	-	-	-	1,159	-
LIBRARY OF CONGRESS	331	-	-	-	-	-	-	-	331
NATIONAL AERONAUTICS & SPACE ADMIN	617,033	18,396	1,814	329,511	92,984	9,055	164,332	294	645
NATIONAL SCIENCE FOUNDATION	999,136	181,490	8,334	283,492	290,544	69,671	122,503	27,063	16,039
SMITHSONIAN INSTITUTION	55,960	22,400	-	9,353	4,016	-	-	20,191	-
TENNESSEE VALLEY AUTHORITY	5,600	2,100	-	3,500	-	-	-	-	-
VETERANS ADMINISTRATION	14,100	12,792	1,308	-	-	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-39. FEDERAL OBLIGATIONS FOR BASIC RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1984 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS AND COM-PUTER SCIENCES	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES	6,981,031	3,242,937	109,053	1,751,086	636,400	228,195	784,740	149,994	78,626
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	386,442	287,599	41	42,924	5,233	4,472	21,239	24,934	-
AGRICULTURAL RESEARCH SERVICE	232,500	181,954	-	36,134	1,532	658	11,888	334	-
COOPERATIVE STATE RESEARCH SERVICE	100,849	74,617	-	4,192	525	-	2,874	18,441	-
ECONOMIC RESEARCH SERVICE	4,433	-	-	-	-	-	-	4,433	-
FOREST SERVICE	41,260	26,318	41	2,598	3,176	1,114	6,477	1,946	-
OFF OF INTERNAT'L COOPERATION & DEV.	4,176	4,176	-	-	-	-	-	-	-
OFFICE OF TRANSPORTATION	534	534	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE	2,700	-	-	-	-	2,700	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	20,522	527	79	16,336		1,988	1,573	19	-
BUREAU OF THE CENSUS	414	-	79	-	-	335	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION	527	527	-	-	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	19,134	-	-	15,939	-	1,653	1,573	19	-
OFFICE OF THE SECRETARY	397	-	-	397	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	816,590	89,966	21,633	205,301	106,694	105,028	265,602	1,933	20,433
DEPARTMENT OF THE ARMY	209,190	95,465	5,493	57,602	12,620	13,659	54,891	-	9,460
DEPARTMENT OF THE NAVY	308,500	18,665	8,113	99,017	74,501	25,038	71,144	1,933	10,087
DEPARTMENT OF THE AIR FORCE	187,900	10,436	6,869	45,940	13,923	19,742	90,990	-	-
DEFENSE AGENCIES	111,000	5,400	1,158	2,742	5,650	46,389	48,575	-	886
DEPARTMENT OF EDUCATION	12,351	-	-	-	-	-	-	12,351	-
DEPARTMENT OF ENERGY	841,671	34,027	-	697,005	13,152	14,670	81,819	-	998
DEPT OF HLTH & HUMAN SERVICES, TOTAL	2,793,052	2,543,393	68,499	69,280	-	6,945	27,303	39,022	38,610
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	165,353	104,170	42,813	671	-	165	-	14,417	3,117
HEALTH RESOURCES AND SERVICES ADMINISTRATION	800	800	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	2,607,744	2,438,423	25,686	68,609	-	6,780	27,303	5,450	35,493
OFFICE OF ASST'T SECY FOR HEALTH	19,155	-	-	-	-	-	-	19,155	-
DEPARTMENT OF THE INTERIOR, TOTAL	124,661	7,364	-	4,000	65,232	1,462	46,084	525	-
BUREAU OF MINES	45,469	-	-	-	-	-	45,469	-	-
BUREAU OF RECLAMATION	214	-	-	-	-	-	214	-	-
GEOLOGICAL SURVEY	69,866	-	-	4,000	64,666	1,200	-	-	-
OFFICE OF THE SECRETARY	1,155	-	-	-	368	262	-	525	-
OFFICE OF WATER RSCH & TECHNOLOGY	763	164	-	-	198	-	401	-	-
US FISH & WILDLIFE SERVICE	7,200	7,200	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	4,015	-	641	-	-	-	-	3,374	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	4,015	-	641	-	-	-	-	3,374	-
DEPARTMENT OF LABOR, TOTAL	4,453	-	-	-	-	-	-	4,453	-
EMPLOYMENT AND TRAINING ADMIN	4,453	-	-	-	-	-	-	4,453	-
DEPARTMENT OF TRANSPORTATION, TOTAL	600	-	-	-	-	-	600	-	-
MARITIME ADMINISTRATION	600	-	-	-	-	-	600	-	-
DEPARTMENT OF THE TREASURY, TOTAL	3,989	-	-	800	-	1,404	-	1,785	-
BUREAU OF ENGRAVING AND PRINTING	800	-	-	800	-	-	-	-	-
INTERNAL REVENUE SERVICE	3,189	-	-	-	-	1,404	-	1,785	-
OTHER AGENCIES									
AGENCY FOR INTERNAT'L DEVELOPMENT	2,719	2,231	-	-	-	50	20	418	-
ENVIRONMENTAL PROTECTION AGENCY	22,689	8,526	14	2,077	3,685	454	5,320	2,597	16
FEDERAL TRADE COMMISSION	1,324	-	-	-	-	-	-	1,324	-
GENERAL SERVICES ADMINISTRATION	50	-	-	-	-	50	-	-	-
LIBRARY OF CONGRESS	340	-	-	-	-	-	-	-	340
NATIONAL AERONAUTICS & SPACE ADMIN	689,133	18,617	2,000	359,447	107,523	10,425	190,021	300	800
NATIONAL SCIENCE FOUNDATION	1,172,466	211,979	14,702	339,681	330,767	81,247	145,159	31,502	17,429
SMITHSONIAN INSTITUTION	63,758	23,652	-	70,535	4,114	-	-	25,457	-
TENNESSEE VALLEY AUTHORITY	5,000	1,300	-	3,700	-	-	-	-	-
VETERANS ADMINISTRATION	15,200	13,756	1,644	-	-	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-40. FEDERAL OBLIGATIONS FOR BASIC RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1985 (ESTIMATED)
(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS AND COM-PUTER SCIENCES	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES	7,637,587	3,455,952	116,78[illegible]	1,958,242	707,592	292,194	866,792	158,491	82,143
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	419,727	320,842	40	43,777	5,170	4,564	21,283	24,051	-
AGRICULTURAL RESEARCH SERVICE	240,100	187,902	-	37,315	1,582	679	12,277	345	-
COOPERATIVE STATE RESEARCH SERVICE	128,578	103,992	-	3,929	492	-	2,694	17,471	-
ECONOMIC RESEARCH SERVICE	4,748	-	-	-	-	-	-	4,748	-
FOREST SERVICE	40,200	25,647	40	2,533	3,096	1,085	6,312	1,487	-
OFF OF INTERNAT'L COOPERATION & DEV.	2,769	2,769	-	-	-	-	-	-	-
OFFICE OF TRANSPORTATION	532	532	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE	2,800	-	-	-	-	2,800	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	18,416	-	77	15,072	-	1,594	1,653	20	-
BUREAU OF THE CENSUS	406	-	77	-	-	327	-	-	-
NATIONAL BUREAU OF STANDARDS	17,812	-	-	14,872	-	1,267	1,653	20	-
OFFICE OF THE SECRETARY	200	-	-	200	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	913,195	103,170	2[illegible],376	228,110	115,697	134,209	280,047	3,084	21,502
DEPARTMENT OF THE ARMY	238,495	61,078	8,082	65,506	14,622	16,110	6[illegible],862	-	10,235
DEPARTMENT OF THE NAVY	359,900	22,779	10,320	110,232	82,430	35,353	84,602	3,084	11,200
DEPARTMENT OF THE AIR FORCE	206,200	12,442	7,359	50,338	15,239	21,944	98,678	-	-
DEFENSE AGENCIES	108,600	6,871	1,615	2,034	3,406	60,802	33,805	-	67
DEPARTMENT OF EDUCATION	14,272	490	54	109	-	109	163	13,347	-
DEPARTMENT OF ENERGY	944,517	41,447	-	769,545	14,180	28,250	90,095	-	1,000
DEPT OF HLTH & HUMAN SERVICES, TOTAL	2,925,916	2,668,154	70,005	73,842	-	7,277	28,668	37,[illegible]63	40,407
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	169,251	106,841	43,034	1,802	-	158	-	14,226	3,196
HEALTH RESOURCES AND SERVICES ADMINISTRATION	900	900	-	-	-	-	-	-	-
HUMAN DEVELOPMENT SERVICES	220	-	-	-	-	-	-	220	-
NATIONAL INSTITUTES OF HEALTH	2,738,145	2,560,413	26,971	72,040	-	7,119	28,668	5,723	[illegible]7,211
OFFICE OF ASST'T SECY FOR HEALTH	17,400	-	-	-	-	-	-	17,400	-
DEPARTMENT OF THE INTERIOR, TOTAL	102,762	6,220	-	3,800	59,425	700	32,617	-	-
BUREAU OF MINES	32,336	-	-	-	-	-	32,336	-	-
BUREAU OF RECLAMATION	235	-	-	-	-	-	235	-	-
GEOLOGICAL SURVEY	63,900	-	-	3,800	59,400	700	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	91	20	-	-	25	-	46	-	-
US FISH & WILDLIFE SERVICE	6,200	6,200	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	2,570	-	-	-	-	-	-	2,570	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	2,570	-	-	-	-	-	-	2,570	-
DEPARTMENT OF LABOR, TOTAL	4,478	-	-	-	-	-	-	4,478	-
EMPLOYMENT AND TRAINING ADMIN	4,478	-	-	-	-	-	-	4,478	-
DEPARTMENT OF TRANSPORTATION, TOTAL	400	-	-	-	-	-	400	-	-
MARITIME ADMINISTRATION	400	-	-	-	-	-	400	-	-
DEPARTMENT OF THE TREASURY, TOTAL	7,578	-	-	800	-	2,982	-	3,796	-
BUREAU OF ENGRAVING AND PRINTING	800	-	-	800	-	-	-	-	-
INTERNAL REVENUE SERVICE	6,778	-	-	-	-	2,982	-	3,796	-
OTHER AGENCIES									
AGENCY FOR INT'L DEVELOPMENT	3,915	3,073	-	-	-	100	29	713	-
ENVIRONMENTAL PROTECTION AGENCY	25,526	9,860	16	2,337	4,261	525	5,505	3,003	19
FEDERAL TRADE COMMISSION	1,419	-	-	-	-	-	-	1,419	-
LIBRARY OF CONGRESS	445	-	-	-	-	-	-	-	445
NATIONAL AERONAUTICS & SPACE ADMIN	826,721	19,111	2,300	416,676	139,463	15,241	232,930	400	600
NATIONAL SCIENCE FOUNDATION	1,335,809	243,542	15,188	388,275	365,092	96,643	173,402	35,497	18,170
SMITHSONIAN INSTITUTION	69,321	24,568	-	11,899	4,304	-	-	28,550	-
TENNESSEE VALLEY AUTHORITY	5,600	1,600	-	4,000	-	-	-	-	-
VETERANS ADMINISTRATION	15,000	13,275	1,725	-	-	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-41. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN PSYCHOLOGY AND LIFE SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				LIFE SCIENCES					
	TOTAL	BIO-LOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHO-LOGICAL SCIENCES NEC	TOTAL	BIO-LOGICAL	ENVIRON-MENTAL BIOLOGY	AGRI-CULTURAL	MEDICAL	LIFE SCIENCES NEC
TOTAL, ALL AGENCIES	92,927	31,396	32,822	28,709	2,891,336	1,621,857	92,672	214,245	878,922	83,640
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	39	-	39	-	269,207	37,363	18,004	208,497	5,343	-
AGRICULTURAL RESEARCH SERVICE	-	-	-	-	168,492	16,961	5,950	143,940	1,641	-
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	73,214	7,727	-	61,785	3,702	-
FOREST SERVICE	39	-	39	-	24,729	12,675	12,054	-	-	-
OFF OF INTERNAT'L COOPERATION & DEV.	-	-	-	-	2,314	-	-	2,314	-	-
OFFICE OF TRANSPORTATION	-	-	-	-	458	-	-	458	-	-
DEPARTMENT OF COMMERCE, TOTAL	57	-	57	-	527	527	-	-	-	-
BUREAU OF THE CENSUS	57	-	57	-	-	-	-	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION	-	-	-	-	527	527	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	20,741	59	18,234	2,448	82,468	22,472	8,954	-	51,042	-
DEPARTMENT OF THE ARMY	5,556	59	3,256	2,241	50,091	3,445	262	-	46,284	-
DEPARTMENT OF THE NAVY	7,867	-	7,867	-	19,137	13,422	2,557	-	3,158	-
DEPARTMENT OF THE AIR FORCE	6,509	-	6,509	-	9,470	5,135	4,335	-	-	-
DEFENSE AGENCIES	809	-	602	207	3,770	470	1,700	-	1,600	-
DEPARTMENT OF ENERGY	-	-	-	-	29,495	29,495	-	-	-	-
DEPT OF HLTH & HUMAN SERVICES, TOTAL	60,476	24,054	11,414	25,008	2,255,312	1,364,175	227	-	811,277	79,633
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	37,679	24,054	11,414	2,211	91,696	65,651	-	-	20,853	5,192
HEALTH RESOURCES AND SERVICES ADMINISTRATION	-	-	-	-	800	-	-	-	800	-
NATIONAL INSTITUTES OF HEALTH	22,797	-	-	22,797	2,162,816	1,298,524	227	-	789,624	74,441
DEPARTMENT OF THE INTERIOR, TOTAL	-	-	-	-	6,900	6,900	-	-	-	-
US FISH & WILDLIFE SERVICE	-	-	-	-	6,900	6,900	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	100	-	100	-	-	-	-	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	100	-	100	-	-	-	-	-	-	-
OTHER AGENCIES										
AGENCY FOR INTERNAT'L DEVELOPMENT	-	-	-	-	2,469	-	-	2,469	-	-
ENVIRONMENTAL PROTECTION AGENCY	58	-	58	-	7,780	4,417	2,648	225	490	-
NATIONAL AERONAUTICS & SPACE ADMIN	1,814	231	333	1,250	18,396	10,691	1,315	825	1,558	4,007
NATIONAL SCIENCE FOUNDATION	8,334	5,745	2,586	3	181,490	131,689	49,672	129	-	-
SMITHSONIAN INSTITUTION	-	-	-	-	22,400	10,548	11,852	-	-	-
TENNESSEE VALLEY AUTHORITY	-	-	-	-	2,100	-	-	2,100	-	-
VETERANS ADMINISTRATION	1,308	1,307	1	-	12,792	3,580	-	-	9,212	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-42. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN PSYCHOLOGY AND LIFE SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1984 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				LIFE SCIENCES					
	TOTAL	BIO-LOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHO-LOGICAL SCIENCES NEC	TOTAL	BIO-LOGICAL	ENVIRON-MENTAL BIOLOGY	AGRI-CULTURAL	MEDICAL	LIFE SCIENCES NEC
TOTAL, ALL AGENCIES	109,053	40,384	36,850	31,819	3,242,937	1,826,314	102,970	227,901	990,825	94,927
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	41	-	41	-	287,599	39,675	19,254	223,106	5,564	-
AGRICULTURAL RESEARCH SERVICE	-	-	-	-	181,954	18,317	6,425	155,442	1,770	-
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	74,617	7,869	-	62,954	3,794	-
FOREST SERVICE	41	-	41	-	26,318	13,489	12,829	-	-	-
OFF OF INTERNAT'L COOPERATION & DEV.	-	-	-	-	4,176	-	-	4,176	-	-
OFFICE OF TRANSPORTATION	-	-	-	-	534	-	-	534	-	-
DEPARTMENT OF COMMERCE, TOTAL	79	-	79	-	527	527	-	-	-	-
BUREAU OF THE CENSUS	79	-	79	-	-	-	-	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION	-	-	-	-	527	527	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	21,633	129	19,180	2,324	89,966	24,859	7,992	-	57,115	-
DEPARTMENT OF THE ARMY	5,493	129	3,040	2,324	55,465	2,701	861	-	51,903	-
DEPARTMENT OF THE NAVY	8,113	-	8,113	-	18,665	13,386	2,067	-	3,212	-
DEPARTMENT OF THE AIR FORCE	6,869	-	6,869	-	10,436	6,701	3,735	-	-	-
DEFENSE AGENCIES	1,158	-	1,158	-	5,400	2,071	1,329	-	2,000	-
DEPARTMENT OF ENERGY	-	-	-	-	14,027	14,027	-	-	-	-
DEPT OF HLTH & HUMAN SERVICES, TOTAL	68,499	26,876	13,528	28,095	2,543,393	1,537,992	245	-	914,729	90,427
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	42,813	26,876	13,528	2,409	114,170	74,019	-	-	23,669	6,482
HEALTH RESOURCES AND SERVICES ADMINISTRATION	-	-	-	-	800	-	-	-	800	-
NATIONAL INSTITUTES OF HEALTH	25,686	-	-	25,686	2,428,423	1,463,973	245	-	890,260	83,945
DEPARTMENT OF THE INTERIOR, TOTAL	-	-	-	-	7,364	7,200	164	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	-	-	-	-	164	-	164	-	-	-
US FISH & WILDLIFE SERVICE	-	-	-	-	7,200	7,200	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	641	-	641	-	-	-	-	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	641	-	641	-	-	-	-	-	-	-
OTHER AGENCIES										
AGENCY FOR INTERNAT'L DEVELOPMENT	-	-	-	-	2,231	-	-	2,231	-	-
ENVIRONMENTAL PROTECTION AGENCY	14	-	14	-	8,526	3,947	3,728	266	585	-
NATIONAL AERONAUTICS & SPACE ADMIN	2,000	200	400	1,400	18,617	10,069	1,948	900	1,700	4,500
NATIONAL SCIENCE FOUNDATION	14,702	11,736	2,966	-	211,979	154,499	57,382	98	-	-
SMITHSONIAN INSTITUTION	-	-	-	-	23,652	10,895	12,757	-	-	-
TENNESSEE VALLEY AUTHORITY	-	-	-	-	1,300	-	-	1,300	-	-
VETERANS ADMINISTRATION	1,444	1,443	1	-	13,756	2,624	-	-	11,132	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-43. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN PSYCHOLOGY AND LIFE SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1985 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				LIFE SCIENCES					
	TOTAL	BIO-LOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHO-LOGICAL SCIENCES NEC	TOTAL	BIO-LOGICAL	ENVIRON-MENTAL BIOLOGY	AGRI-CULTURAL	MEDICAL	LIFE SCIENCES NEC
TOTAL, ALL AGENCIES	116,781	39,714	42,258	34,809	3,455,352	1,942,437	110,820	264,533	1,037,480	100,082
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	40	-	40	-	320,842	39,561	19,137	256,759	5,385	-
AGRICULTURAL RESEARCH SERVICE	-	-	-	-	187,902	18,915	6,635	160,523	1,829	-
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	103,992	7,501	-	92,935	3,556	-
FOREST SERVICE	40	-	40	-	25,647	13,145	12,502	-	-	-
OFF OF INTERNAT'L COOPERATION & DEV.	-	-	-	-	2,769	-	-	2,769	-	-
OFFICE OF TRANSPORTATION	-	-	-	-	532	-	-	532	-	-
DEPARTMENT OF COMMERCE, TOTAL	77	-	77	-	-	-	-	-	-	-
BUREAU OF THE CENSUS	77	-	77	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	27,376	139	24,559	2,678	103,170	33,638	7,787	1,700	60,045	-
DEPARTMENT OF THE ARMY	8,082	139	5,265	2,678	61,078	3,674	768	-	56,636	-
DEPARTMENT OF THE NAVY	10,320	-	10,320	-	22,779	17,291	2,079	-	3,409	-
DEPARTMENT OF THE AIR FORCE	7,359	-	7,359	-	12,442	8,990	3,452	-	-	-
DEFENSE AGENCIES	1,615	-	1,615	-	6,871	3,683	1,488	1,700	-	-
DEPARTMENT OF EDUCATION	54	-	-	54	490	-	-	-	-	490
DEPARTMENT OF ENERGY	-	-	-	-	41,447	41,447	-	-	-	-
DEPT OF HLTH & HUMAN SERVICES, TOTAL	70,005	25,451	14,077	30,477	2,648,154	1,614,277	462	-	959,023	94,392
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	43,034	25,451	14,077	3,506	106,841	77,049	-	-	23,314	6,478
HEALTH RESOURCES AND SERVICES ADMINISTRATION	-	-	-	-	900	-	-	-	900	-
NATIONAL INSTITUTES OF HEALTH	26,971	-	-	26,971	2,540,413	1,537,228	462	-	934,809	88,114
DEPARTMENT OF THE INTERIOR, TOTAL	-	-	-	-	6,220	6,200	20	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	-	-	-	-	20	-	20	-	-	-
US FISH & WILDLIFE SERVICE	-	-	-	-	6,200	6,200	-	-	-	-
OTHER AGENCIES										
AGENCY FOR INTERNAT'L DEVELOPMENT	-	-	-	-	3,073	-	-	3,073	-	-
ENVIRONMENTAL PROTECTION AGENCY	16	16	-	-	9,860	4,565	4,311	308	676	-
NATIONAL AERONAUTICS & SPACE ADMIN	2,300	300	400	1,600	19,111	9,601	1,610	1,000	1,900	5,000
NATIONAL SCIENCE FOUNDATION	15,188	12,084	3,104	-	243,542	178,996	64,453	93	-	-
SMITHSONIAN INSTITUTION	-	-	-	-	24,568	11,328	13,240	-	-	-
TENNESSEE VALLEY AUTHORITY	-	-	-	-	1,600	-	-	1,600	-	-
VETERANS ADMINISTRATION	1,725	1,724	1	-	13,275	2,824	-	-	10,451	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-44. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN PHYSICAL AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PHYSICAL SCIENCES					ENVIRONMENTAL SCIENCES				
	TOTAL	ASTRONOMY	CHEMISTRY	PHYSICS	PHYSICAL SCIENCES NEC	TOTAL	ATMOSPHERIC	GEOLOGICAL	OCEANOGRAPHY	ENVIRONMENTAL SCIENCES NEC
TOTAL, ALL AGENCIES	1,587,183	354,466	362,188	855,104	15,425	580,050	172,633	178,292	195,615	33,510
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	39,992	-	38,235	1,757	-	4,914	2,394	2,520	-	-
AGRICULTURAL RESEARCH SERVICE	33,460	-	32,246	1,214	-	1,418	1,107	311	-	-
COOPERATIVE STATE RESEARCH SERVICE	4,090	-	4,090	-	-	512	512	-	-	-
FOREST SERVICE	2,442	-	1,899	543	-	2,984	775	2,209	-	-
DEPARTMENT OF COMMERCE, TOTAL	15,748	522	4,651	10,575	-	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	15,716	522	4,619	10,575	-	-	-	-	-	-
OFFICE OF THE SECRETARY	32	-	32	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	198,442	15,943	55,568	117,723	9,208	103,574	24,266	17,233	49,112	12,963
DEPARTMENT OF THE ARMY	58,653	-	19,392	30,156	9,105	13,408	8,279	4,663	70	396
DEPARTMENT OF THE NAVY	98,007	10,367	18,720	68,920	-	70,684	5,772	7,089	46,746	11,077
DEPARTMENT OF THE AIR FORCE	39,289	5,576	17,456	16,257	-	12,689	10,215	2,474	-	-
DEFENSE AGENCIES	2,493	-	-	2,390	103	6,793	-	3,007	2,296	1,490
DEPARTMENT OF ENERGY	639,212	-	104,293	534,919	-	11,587	-	11,587	-	-
DEPT OF HLTH & HUMAN SERVICES, TOTAL	61,758	-	55,046	6,712	-	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	882	-	865	17	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	60,876	-	54,181	6,695	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	2,920	-	1,760	880	280	68,339	-	50,536	10,840	6,963
GEOLOGICAL SURVEY	2,640	-	1,760	880	-	61,201	-	50,361	10,840	-
OFFICE OF THE SECRETARY	-	-	-	-	-	6,963	-	-	-	6,963
OFFICE OF WATER RSCH & TECHNOLOGY	280	-	-	-	280	175	-	175	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	400	-	400	-	-	-	-	-	-	-
COAST GUARD	400	-	400	-	-	-	-	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	600	-	600	-	-	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING	600	-	600	-	-	-	-	-	-	-
OTHER AGENCIES										
ENVIRONMENTAL PROTECTION AGENCY	2,255	-	1,938	317	-	4,092	3,291	309	492	-
NATIONAL AERONAUTICS & SPACE ADMIN	329,511	264,042	7,710	52,534	5,225	92,984	47,564	28,511	3,368	13,541
NATIONAL SCIENCE FOUNDATION	283,492	64,606	88,487	129,687	712	290,544	95,030	64,814	130,657	43
SMITHSONIAN INSTITUTION	9,353	9,353	-	-	-	4,016	88	2,782	1,146	-
TENNESSEE VALLEY AUTHORITY	3,500	-	3,500	-	-	-	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-45. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN PHYSICAL AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1984 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PHYSICAL SCIENCES					ENVIRONMENTAL SCIENCES				
	TOTAL	ASTRONOMY	CHEMISTRY	PHYSICS	PHYSICAL SCIENCES NEC	TOTAL	ATMOSPHERIC	GEOLOGICAL	OCEANOGRAPHY	ENVIRONMENTAL SCIENCES NEC
TOTAL, ALL AGENCIES	1,751,086	409,167	400,553	926,125	15,241	636,400	188,750	197,336	223,275	27,039
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	42,924	-	41,036	1,888	-	5,233	2,546	2,687	-	-
AGRICULTURAL RESEARCH SERVICE	36,134	-	34,823	1,311	-	1,532	1,196	336	-	-
COOPERATIVE STATE RESEARCH SERVICE	4,192	-	4,192	-	-	525	525	-	-	-
FOREST SERVICE	2,598	-	2,021	577	-	3,176	825	2,351	-	-
DEPARTMENT OF COMMERCE, TOTAL	16,336	553	5,170	10,613	-	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	15,939	553	4,773	10,613	-	-	-	-	-	-
OFFICE OF THE SECRETARY	397	-	397	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	205,301	15,120	57,839	123,396	8,946	106,694	24,808	17,034	53,141	11,711
DEPARTMENT OF THE ARMY	57,602	-	19,156	31,178	8,268	12,620	8,129	3,702	250	539
DEPARTMENT OF THE NAVY	99,017	9,175	19,789	70,053	-	74,501	5,623	7,280	50,758	10,840
DEPARTMENT OF THE AIR FORCE	45,940	5,945	19,894	20,101	-	13,923	11,046	2,867	-	-
DEFENSE AGENCIES	2,742	-	-	2,064	678	5,650	-	3,185	2,133	332
DEPARTMENT OF ENERGY	697,005	-	113,107	583,898	-	13,152	-	13,152	-	-
DEPT OF HLTH & HUMAN SERVICES, TOTAL	69,280	-	61,723	7,557	-	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	671	-	650	21	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	68,609	-	61,073	7,536	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	4,000	-	3,000	1,000	-	65,232	-	51,877	12,987	368
GEOLOGICAL SURVEY	4,000	-	3,000	1,000	-	64,666	-	51,679	12,987	-
OFFICE OF THE SECRETARY	-	-	-	-	-	368	-	-	-	368
OFFICE OF WATER RSCH & TECHNOLOGY	-	-	-	-	-	198	-	198	-	-
DEPARTMENT OF THE TREASURY, TOTAL	800	-	800	-	-	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING	800	-	800	-	-	-	-	-	-	-
OTHER AGENCIES										
ENVIRONMENTAL PROTECTION AGENCY	2,077	-	1,752	325	-	3,685	2,055	187	643	-
NATIONAL AERONAUTICS & SPACE ADMIN	389,447	301,337	8,758	43,552	5,800	107,523	49,246	28,451	4,776	14,930
NATIONAL SCIENCE FOUNDATION	339,681	81,622	103,668	153,896	495	330,767	109,188	70,996	150,553	30
SMITHSONIAN INSTITUTION	10,535	10,535	-	-	-	4,114	87	2,852	1,175	-
TENNESSEE VALLEY AUTHORITY	3,700	-	3,700	-	-	-	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-46. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN PHYSICAL AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1985 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PHYSICAL SCIENCES					ENVIRONMENTAL SCIENCES				
	TOTAL	ASTRONOMY	CHEMISTRY	PHYSICS	PHYSICAL SCIENCES NEC	TOTAL	ATMOSPHERIC	GEOLOGICAL	OCEANOGRAPHY	ENVIRONMENTAL SCIENCES NEC
TOTAL, ALL AGENCIES	1,958,242	455,445	417,978	1,069,067	15,752	707,592	214,900	225,201	238,677	28,814
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	43,777	-	41,846	1,911	-	5,170	2,531	2,639	-	-
AGRICULTURAL RESEARCH SERVICE	37,315	-	35,967	1,348	-	1,582	1,235	347	-	-
COOPERATIVE STATE RESEARCH SERVICE	3,929	-	3,929	-	-	492	492	-	-	-
FOREST SERVICE	2,533	-	1,970	563	-	3,096	804	2,292	-	-
DEPARTMENT OF COMMERCE, TOTAL	15,072	580	4,847	9,645	-	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	14,872	580	4,647	9,645	-	-	-	-	-	-
OFFICE OF THE SECRETARY	200	-	200	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	228,110	20,286	65,322	133,990	8,512	115,697	28,657	18,192	55,736	13,112
DEPARTMENT OF THE ARMY	65,906	-	20,875	36,524	8,107	14,622	9,232	4,527	250	613
DEPARTMENT OF THE NAVY	110,232	12,944	23,283	74,005	-	62,490	7,247	8,177	54,407	12,599
DEPARTMENT OF THE AIR FORCE	50,338	7,742	21,164	21,432	-	18,230	12,138	2,101	-	-
DEFENSE AGENCIES	2,034	-	-	1,629	405	36,355	-	3,387	1,079	-
DEPARTMENT OF EDUCATION	109	-	-	-	109	-	-	-	-	-
DEPARTMENT OF ENERGY	769,545	-	93,714	675,831	-	14,180	-	13,853	-	327
DEPT OF HLTH & HUMAN SERVICES, TOTAL	73,842	-	65,909	7,933	-	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	1,802	-	1,782	20	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	72,040	-	64,127	7,913	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	3,800	-	2,800	1,000	-	99,425	-	46,083	13,342	-
GEOLOGICAL SURVEY	3,800	-	2,800	1,000	-	99,400	-	46,058	13,342	-
OFFICE OF WATER RSCH & TECHNOLOGY	-	-	-	-	-	25	-	25	-	-
DEPARTMENT OF THE TREASURY, TOTAL	800	-	800	-	-	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING	800	-	800	-	-	-	-	-	-	-
OTHER AGENCIES										
ENVIRONMENTAL PROTECTION AGENCY	2,337	-	1,966	371	-	4,261	3,302	216	743	-
NATIONAL AERONAUTICS & SPACE ADMIN	416,576	375,399	18,180	23,097	6,900	139,443	89,090	29,218	5,690	15,345
NATIONAL SCIENCE FOUNDATION	388,775	67,281	118,574	179,789	631	365,092	121,269	82,616	161,778	30
SMITHSONIAN INSTITUTION	11,899	11,899	-	-	-	4,304	-	2,965	1,228	-
TENNESSEE VALLEY AUTHORITY	4,000	-	4,000	-	-	-	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-47. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ENGINEERING								
	TOTAL	AERO-NAUTICAL	ASTRO-NAUTICAL	CHEMICAL	CIVIL	ELEC-TRICAL	MECHAN-ICAL	METAL-LURGY AND MATERIALS	ENGI-NEERING NEC
TOTAL, ALL AGENCIES	689,503	140,713	50,352	50,402	32,426	95,820	60,722	182,892	76,176
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	19,899	-	-	3,252	1,027	152	1,676	-	13,792
AGRICULTURAL RESEARCH SERVICE	11,010	-	-	1,392	601	152	358	-	8,507
COOPERATIVE STATE RESEARCH SERVICE	2,804	-	-	-	-	-	-	-	2,804
FOREST SERVICE	6,085	-	-	1,860	426	-	1,318	-	2,481
DEPARTMENT OF COMMERCE, TOTAL	1,647	-	-	-	-	-	358	963	326
NATIONAL BUREAU OF STANDARDS	1,647	-	-	-	-	-	358	963	326
DEPARTMENT OF DEFENSE, TOTAL	254,185	35,543	10,917	11,281	4,347	59,655	32,098	96,774	3,570
DEPARTMENT OF THE ARMY	58,639	12,236	-	1,908	2,122	21,344	7,337	12,772	921
DEPARTMENT OF THE NAVY	68,511	4,091	-	9,330	-	13,684	15,537	23,385	2,084
DEPARTMENT OF THE AIR FORCE	79,423	19,217	10,839	-	2,225	18,007	8,792	20,383	-
DEFENSE AGENCIES	47,612	-	78	53	-	6,620	72	40,234	555
DEPARTMENT OF ENERGY	72,696	-	-	13,493	-	512	5,339	44,375	8,977
DEPT OF HLTH & HUMAN SERVICES, TOTAL	24,231	-	-	-	-	-	-	-	24,231
NATIONAL INSTITUTES OF HEALTH	24,231	-	-	-	-	-	-	-	24,231
DEPARTMENT OF THE INTERIOR, TOTAL	23,578	-	-	-	66	33	-	9,225	14,254
BUREAU OF MINES	23,479	-	-	-	66	33	-	9,225	14,254
BUREAU OF RECLAMATION	99	-	-	-	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	500	-	-	-	-	-	300	100	100
MARITIME ADMINISTRATION	500	-	-	-	-	-	300	100	100
OTHER AGENCIES									
AGENCY FOR INTERNAT'L DEVELOPMENT	20	-	-	-	20	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	5,912	-	-	2,431	2,695	-	220	263	142
NATIONAL AERONAUTICS & SPACE ADMIN	164,332	105,063	39,211	536	542	5,781	3,180	7,208	2,905
NATIONAL SCIENCE FOUNDATION	122,503	107	124	18,810	23,769	29,679	17,551	23,984	8,479

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-48. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1984 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ENGINEERING								
	TOTAL	AERO-NAUTICAL	ASTRO-NAUTICAL	CHEMICAL	CIVIL	ELEC-TRICAL	MECHAN-ICAL	METAL-LURGY AND MATERIALS	ENGI-NEERING NEC
TOTAL, ALL AGENCIES	784,740	163,259	59,804	55,824	37,129	110,734	63,583	194,759	99,648
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	21,239	-	-	3,482	1,104	164	1,790	-	14,699
AGRICULTURAL RESEARCH SERVICE	11,888	-	-	1,502	650	164	387	-	9,185
COOPERATIVE STATE RESEARCH SERVICE	2,874	-	-	-	-	-	-	-	2,874
FOREST SERVICE	6,477	-	-	1,980	454	-	1,403	-	2,640
DEPARTMENT OF COMMERCE, TOTAL	1,573	-	-	-	-	-	413	1,078	82
NATIONAL BUREAU OF STANDARDS	1,573	-	-	-	-	-	413	1,078	82
DEPARTMENT OF DEFENSE, TOTAL	265,602	37,099	17,074	11,877	4,694	68,207	29,841	94,011	2,799
DEPARTMENT OF THE ARMY	64,891	11,791	-	1,946	1,833	20,990	6,513	11,636	562
DEPARTMENT OF THE NAVY	71,146	4,628	-	9,885	-	15,003	14,052	25,783	1,894
DEPARTMENT OF THE AIR FORCE	90,990	20,780	11,806	-	2,861	21,996	9,219	34,328	-
DEFENSE AGENCIES	48,575	-	5,268	26	-	10,218	56	32,264	343
DEPARTMENT OF ENERGY	81,819	-	-	14,017	-	469	6,926	49,473	10,934
DEPT OF HLTH & HUMAN SERVICES, TOTAL	27,303	-	-	-	-	-	-	-	27,303
NATIONAL INSTITUTES OF HEALTH	27,303	-	-	-	-	-	-	-	27,303
DEPARTMENT OF THE INTERIOR, TOTAL	46,084	-	-	-	951	64	-	14,145	31,324
BUREAU OF MINES	45,449	-	-	-	-	-	-	14,145	31,324
BUREAU OF RECLAMATION	214	-	-	-	150	64	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	401	-	-	-	401	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	600	-	-	-	-	-	300	200	100
MARITIME ADMINISTRATION	600	-	-	-	-	-	300	200	100
OTHER AGENCIES									
AGENCY FOR INTERNAT'L DEVELOPMENT	20	-	-	-	20	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	5,220	-	-	2,925	1,944	1	190	60	200
NATIONAL AERONAUTICS & SPACE ADMIN	190,021	126,034	42,582	1,000	600	4,504	3,500	7,300	2,500
NATIONAL SCIENCE FOUNDATION	149,159	126	148	23,523	28,216	39,324	20,623	28,492	9,707

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-49. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1985 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ENGINEERING								
	TOTAL	AERO-NAUTICAL	ASTRO-NAUTICAL	CHEMICAL	CIVIL	ELEC-TRICAL	MECHAN-ICAL	METAL-LURGY AND MATERIALS	ENGI-NEERING NEC
TOTAL, ALL AGENCIES	866,792	196,974	70,222	59,524	44,037	123,009	71,474	207,029	94,523
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	21,283	-	-	3,481	1,113	169	1,767	-	14,753
AGRICULTURAL RESEARCH SERVICE	12,277	-	-	1,551	671	169	400	-	9,486
COOPERATIVE STATE RESEARCH SERVICE	2,694	-	-	-	-	-	-	-	2,694
FOREST SERVICE	6,312	-	-	1,930	442	-	1,367	-	2,573
DEPARTMENT OF COMMERCE, TOTAL	1,653	-	-	-	-	-	435	1,132	86
NATIONAL BUREAU OF STANDARDS	1,653	-	-	-	-	-	435	1,132	86
DEPARTMENT OF DEFENSE, TOTAL	280,047	44,124	13,623	13,760	5,126	72,766	32,724	94,312	3,612
DEPARTMENT OF THE ARMY	62,862	13,588	-	3,468	1,991	22,843	7,013	13,326	633
DEPARTMENT OF THE NAVY	84,502	5,850	-	10,292	-	17,845	17,810	31,075	1,630
DEPARTMENT OF THE AIR FORCE	98,878	24,686	13,623	-	3,135	23,446	7,901	26,087	-
DEFENSE AGENCIES	33,805	-	-	-	-	8,632	-	23,824	1,349
DEPARTMENT OF EDUCATION	163	-	-	-	-	-	-	-	163
DEPARTMENT OF ENERGY	90,095	-	-	11,631	-	469	7,615	55,470	14,910
DEPT OF HLTH & HUMAN SERVICES, TOTAL	28,668	-	-	-	-	-	-	-	28,668
NATIONAL INSTITUTES OF HEALTH	28,668	-	-	-	-	-	-	-	28,668
DEPARTMENT OF THE INTERIOR, TOTAL	32,617	-	-	-	206	75	-	14,766	17,570
BUREAU OF MINES	32,336	-	-	-	-	-	-	14,766	17,570
BUREAU OF RECLAMATION	235	-	-	-	160	75	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	46	-	-	-	46	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	400	-	-	-	-	-	300	100	-
MARITIME ADMINISTRATION	400	-	-	-	-	-	300	100	-
OTHER AGENCIES									
AGENCY FOR INTERNAT'L DEVELOPMENT	29	-	-	-	29	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	5,505	-	-	2,567	2,418	1	219	69	231
NATIONAL AERONAUTICS & SPACE ADMIN	232,930	152,700	56,418	1,200	700	7,212	3,800	8,100	2,800
NATIONAL SCIENCE FOUNDATION	173,402	150	181	26,885	34,445	42,317	24,614	33,080	11,730

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-50. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHEMATICS	COMPUTER SCIENCES	MATHEMATICS AND COMPUTER SCIENCES NEC	TOTAL	ANTHROPOLOGY	ECONOMICS	POLITICAL SCIENCE	SOCIOLOGY	SOCIAL SCIENCES NEC
TOTAL, ALL AGENCIES	208,129	100,906	90,441	16,782	137,723	11,175	40,982	4,596	32,772	48,198
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	4,156	4,156	-	-	23,812	-	22,052	62	1,646	52
AGRICULTURAL RESEARCH SERVICE	609	609	-	-	311	-	282	-	12	17
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	18,189	-	17,226	-	963	-
ECONOMIC RESEARCH SERVICE	-	-	-	-	3,878	-	3,769	62	12	35
FOREST SERVICE	1,047	1,047	-	-	1,434	-	775	-	659	-
STATISTICAL REPORTING SERVICE	2,500	2,500	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	1,202	975	227	-	40	-	40	-	-	-
BUREAU OF THE CENSUS	242	242	-	-	-	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	960	733	227	-	40	-	40	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	101,554	40,402	45,318	15,834	3,201	-	-	1,058	2,143	-
DEPARTMENT OF THE ARMY	11,772	7,707	3,556	509	-	-	-	-	-	-
DEPARTMENT OF THE NAVY	29,026	14,645	13,067	1,304	2,143	-	-	-	2,143	-
DEPARTMENT OF THE AIR FORCE	16,820	11,173	5,647	-	-	-	-	-	-	-
DEFENSE AGENCIES	43,936	6,867	23,048	14,021	1,058	-	-	1,058	-	-
DEPARTMENT OF EDUCATION	-	-	-	-	14,182	-	-	-	-	14,182
DEPARTMENT OF ENERGY	13,811	9,821	3,990	-	-	-	-	-	-	-
DEPT OF HLTH & HUMAN SERVICES, TOTAL	6,158	6,090	68	-	33,585	249	1,486	687	24,818	6,345
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	136	68	68	-	12,125	249	23	687	9,923	1,243
NATIONAL INSTITUTES OF HEALTH	6,022	6,022	-	-	4,836	-	-	-	-	4,836
OFFICE OF ASST'T SECY FOR HEALTH	-	-	-	-	16,624	-	1,463	-	14,895	266
DEPARTMENT OF THE INTERIOR, TOTAL	1,018	88	930	-	278	-	278	-	-	-
GEOLOGICAL SURVEY	880	88	792	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	138	-	138	-	278	-	278	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	-	-	-	-	3,540	50	250	341	637	2,262
OFF OF JUSTICE ASSIST, RSCH, & STAT	-	-	-	-	3,540	50	250	341	637	2,262
DEPARTMENT OF LABOR, TOTAL	-	-	-	-	5,263	-	5,263	-	-	-
EMPLOYMENT AND TRAINING ADMIN	-	-	-	-	5,263	-	5,263	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	1,197	1,197	-	-	1,712	-	1,712	-	-	-
INTERNAL REVENUE SERVICE	1,197	1,197	-	-	1,712	-	1,712	-	-	-
OTHER AGENCIES										
AGENCY FOR INTERNAT'L DEVELOPMENT	50	-	50	-	1,951	-	-	-	893	658
ENVIRONMENTAL PROTECTION AGENCY	257	126	131	-	1,850	-	1,560	142	148	-
FEDERAL TRADE COMMISSION	-	-	-	-	1,159	-	1,159	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	9,085	757	7,350	948	296	-	-	-	-	296
NATIONAL SCIENCE FOUNDATION	69,671	37,294	32,377	-	27,063	6,109	7,182	2,306	2,487	8,979
SMITHSONIAN INSTITUTION	-	-	-	-	20,191	4,767	-	-	-	15,424

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-51. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1984 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHEMATICS	COMPUTER SCIENCES	MATHEMATICS AND COMPUTER SCIENCES NEC	TOTAL	ANTHROPOLOGY	ECONOMICS	POLITICAL SCIENCE	SOCIOLOGY	SOCIAL SCIENCES NEC
TOTAL, ALL AGENCIES	228,195	110,482	96,328	21,385	149,994	16,294	44,481	4,056	36,756	48,407
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	4,472	4,472	-	-	24,934	-	23,094	13	1,770	57
AGRICULTURAL RESEARCH SERVICE	658	658	-	-	334	-	305	-	12	17
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	18,641	-	17,655	-	986	-
ECONOMIC RESEARCH SERVICE	-	-	-	-	4,433	-	4,309	13	71	40
FOREST SERVICE	1,114	1,114	-	-	1,526	-	825	-	701	-
STATISTICAL REPORTING SERVICE	2,700	2,700	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	1,988	1,078	910	-	19	-	19	-	-	-
BUREAU OF THE CENSUS	335	335	-	-	-	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	1,653	743	910	-	19	-	19	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	105,028	41,336	43,307	20,385	1,933	-	-	-	1,933	-
DEPARTMENT OF THE ARMY	13,659	6,809	6,066	784	-	-	-	-	-	-
DEPARTMENT OF THE NAVY	25,038	12,911	10,696	1,431	1,933	-	-	-	1,933	-
DEPARTMENT OF THE AIR FORCE	19,742	13,719	6,023	-	-	-	-	-	-	-
DEFENSE AGENCIES	46,589	7,897	20,522	18,170	-	-	-	-	-	-
DEPARTMENT OF EDUCATION	-	-	-	-	12,351	-	-	-	-	12,351
DEPARTMENT OF ENERGY	14,670	9,870	4,800	-	-	-	-	-	-	-
DEPT OF HLTH & HUMAN SERVICES, TOTAL	6,945	6,863	82	-	39,022	309	1,714	831	28,852	7,316
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	165	83	82	-	14,417	309	28	831	11,689	1,560
NATIONAL INSTITUTES OF HEALTH	6,780	6,780	-	-	5,450	-	-	-	-	5,450
OFFICE OF ASST'T SECY FOR HEALTH	-	-	-	-	19,155	-	1,686	-	17,163	306
DEPARTMENT OF THE INTERIOR, TOTAL	1,462	200	1,262	-	525	-	525	-	-	-
GEOLOGICAL SURVEY	1,200	200	1,000	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	262	-	262	-	525	-	525	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	-	-	-	-	3,374	100	200	200	700	2,174
OFF OF JUSTICE ASSIST, RSCH, & STAT	-	-	-	-	3,374	100	200	200	700	2,174
DEPARTMENT OF LABOR, TOTAL	-	-	-	-	4,453	-	4,453	-	-	-
EMPLOYMENT AND TRAINING ADMIN	-	-	-	-	4,453	-	4,453	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	1,404	1,404	-	-	1,785	-	1,275	-	-	510
INTERNAL REVENUE SERVICE	1,404	1,404	-	-	1,785	-	1,275	-	-	510
OTHER AGENCIES										
AGENCY FOR INTERNAT'L DEVELOPMENT	50	-	50	-	418	-	-	-	363	55
ENVIRONMENTAL PROTECTION AGENCY	454	213	241	-	2,597	-	2,197	200	200	-
FEDERAL TRADE COMMISSION	-	-	-	-	1,324	-	1,324	-	-	-
GENERAL SERVICES ADMINISTRATION	50	-	50	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	10,425	900	8,525	1,000	300	-	-	-	-	300
NATIONAL SCIENCE FOUNDATION	81,247	44,146	37,101	-	31,502	6,520	9,680	2,812	2,938	9,552
SMITHSONIAN INSTITUTION	-	-	-	-	25,457	9,365	-	-	-	16,092

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-52. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1985 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHEMATICS	COMPUTER SCIENCES	MATHEMATICS AND COMPUTER SCIENCES NEC	TOTAL	ANTHROPOLOGY	ECONOMICS	POLITICAL SCIENCE	SOCIOLOGY	SOCIAL SCIENCES NEC
TOTAL, ALL AGENCIES	292,194	136,302	124,610	31,282	158,491	19,165	45,990	5,027	36,833	51,476
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	4,564	4,564	-	-	24,051	-	22,280	14	1,697	60
AGRICULTURAL RESEARCH SERVICE	679	679	-	-	345	-	315	-	13	17
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	17,471	-	16,546	-	925	-
ECONOMIC RESEARCH SERVICE	-	-	-	-	4,748	-	4,615	14	76	43
FOREST SERVICE	1,085	1,085	-	-	1,487	-	804	-	683	-
STATISTICAL REPORTING SERVICE	2,800	2,800	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	1,594	914	680	-	20	-	20	-	-	-
BUREAU OF THE CENSUS	327	327	-	-	-	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	1,267	587	680	-	20	-	20	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	134,209	46,790	57,611	29,808	3,084	-	-	-	3,084	-
DEPARTMENT OF THE ARMY	16,110	7,761	7,463	886	-	-	-	-	-	-
DEPARTMENT OF THE NAVY	35,353	16,080	16,698	2,575	3,084	-	-	-	3,084	-
DEPARTMENT OF THE AIR FORCE	21,944	15,668	6,276	-	-	-	-	-	-	-
DEFENSE AGENCIES	60,802	7,281	27,174	26,347	-	-	-	-	-	-
DEPARTMENT OF EDUCATION	109	-	-	109	13,347	-	-	-	-	13,347
DEPARTMENT OF ENERGY	28,290	19,090	9,160	-	-	-	-	-	-	-
DEPT OF HLTH & HUMAN SERVICES, TOTAL	7,277	7,199	78	-	37,563	307	1,958	802	27,106	7,790
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	158	80	78	-	14,220	307	27	802	11,515	1,569
HUMAN DEVELOPMENT SERVICES	-	-	-	-	220	-	-	-	-	220
NATIONAL INSTITUTES OF HEALTH	7,119	7,119	-	-	5,723	-	-	-	-	5,723
OFFICE OF ASST'T SECY FOR HEALTH	-	-	-	-	17,400	-	1,531	-	15,591	278
DEPARTMENT OF THE INTERIOR, TOTAL	700	100	600	-	-	-	-	-	-	-
GEOLOGICAL SURVEY	700	100	600	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	-	-	-	-	2,570	100	200	300	600	1,370
OFF OF JUSTICE ASSIST, RSCH, & STAT	-	-	-	-	2,570	100	200	300	600	1,370
DEPARTMENT OF LABOR, TOTAL	-	-	-	-	4,478	-	4,478	-	-	-
EMPLOYMENT AND TRAINING ADMIN	-	-	-	-	4,478	-	4,478	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	2,982	2,982	-	-	3,796	-	2,711	-	-	1,085
INTERNAL REVENUE SERVICE	2,982	2,982	-	-	3,796	-	2,711	-	-	1,085
OTHER AGENCIES										
AGENCY FOR INTERNAT'L DEVELOPMENT	100	-	100	-	713	-	-	-	455	258
ENVIRONMENTAL PROTECTION AGENCY	525	247	278	-	3,003	-	2,541	231	231	-
FEDERAL TRADE COMMISSION	-	-	-	-	1,419	-	1,419	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	15,241	1,000	13,141	1,100	400	-	-	-	-	400
NATIONAL SCIENCE FOUNDATION	96,643	53,416	42,962	265	35,497	6,903	10,783	3,680	3,660	10,471
SMITHSONIAN INSTITUTION	-	-	-	-	28,550	11,855	-	-	-	16,695

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-53. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL							
			UNITED STATES AND DEPENDENCIES							
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	FOREIGN
TOTAL, ALL AGENCIES	7,993,394	3,020,422	1,846,904	439,688	1,355,637	620,488	427,319	77,121	104,678	101,137
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	485,539	292,985	1,589	-	195,710	-	888	-	1,171	3,196
AGRICULTURAL COOPERATIVE SERVICE	2,145	1,752	-	-	393	-	-	-	-	-
AGRICULTURAL MARKETING SERVICE	1,147	802	-	-	345	-	-	-	-	-
AGRICULTURAL RESEARCH SERVICE	202,600	183,184	-	-	16,918	-	690	-	670	1,178
COOPERATIVE STATE RESEARCH SERVICE	133,478	3,962	-	-	129,042	-	-	-	474	-
ECONOMIC RESEARCH SERVICE	24,899	22,603	-	-	2,296	-	-	-	-	-
FOREST SERVICE	65,140	60,375	369	-	4,224	-	138	-	27	7
HUMAN NUTRITION INFORMATION SERVICE	8,200	5,100	1,200	-	1,800	-	100	-	-	-
OFF OF INTERNAT'L COOPERATION & DEV.	2,524	513	-	-	-	-	-	-	-	2,011
OFFICE OF TRANSPORTATION	306	306	-	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE	5,100	4,388	20	-	692	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	265,670	196,692	11,628	-	46,889	834	2,876	-	6,354	347
BUREAU OF THE CENSUS	1,919	1,919	-	-	-	-	-	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION	4,773	553	780	-	2,745	-	245	-	450	-
NATIONAL BUREAU OF STANDARDS	63,091	59,257	918	-	2,305	52	531	-	-	28
NAT'L OCEANIC & ATMOSPHERIC ADMIN	188,931	128,057	9,930	-	41,839	782	2,100	-	5,904	319
NAT'L TELECOMM & INFORMATION ADMIN	6,906	6,906	-	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	2,437,029	985,831	1,104,656	87,422	111,771	72,569	54,073	14,734	-	5,973
DEPARTMENT OF THE ARMY	485,291	312,922	134,421	173	22,421	3,027	9,665	377	-	2,285
DEPARTMENT OF THE NAVY	421,600	292,371	134,783	76,787	10,809	3,845	1,875	1,440	-	-
DEPARTMENT OF THE AIR FORCE	524,200	148,291	311,352	-	47,763	603	13,853	1,138	-	1,200
DEFENSE AGENCIES	905,938	232,247	524,130	10,462	30,778	65,394	28,680	11,759	-	2,488
DEPARTMENT OF EDUCATION	61,885	5,144	2,795	-	33,952	-	16,783	-	3,080	571
DEPARTMENT OF ENERGY	1,193,409	108,565	216,699	207,849	111,111	475,111	23,885	40,489	4,299	5,441
DEPT OF HLTH & HUMAN SERVICES, TOTAL	1,545,446	434,099	79,583	25,596	719,781	2,993	234,763	3,210	33,377	12,484
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	155,402	48,276	7,690	-	75,783	-	14,720	-	8,340	593
CENTERS FOR DISEASE CONTROL	78,164	51,436	6,941	-	5,152	-	14,109	-	285	241
FOOD & DRUG ADMINISTRATION	74,200	67,070	-	-	3,647	-	3,411	-	-	72
HEALTH CARE FINANCING ADMIN	30,208	1,065	6,234	-	6,098	-	12,385	-	4,426	-
HEALTH RESOURCES AND SERVICES ADMINISTRATION	10,203	1,148	-	-	7,249	-	1,711	-	95	-
HUMAN DEVELOPMENT SERVICES	6,871	990	906	-	1,049	-	2,579	-	1,339	3
NATIONAL INSTITUTES OF HEALTH	1,165,179	295,845	55,310	25,996	616,643	2,993	178,089	3,210	16,303	11,570
OFFICE OF THE SECRETARY	14,441	2,116	1,422	-	3,425	-	7,452	-	26	-
SOCIAL SECURITY ADMINISTRATION	10,778	6,113	1,080	-	715	-	307	-	2,563	-
DEPT OF HOUSING & URBAN DEVELOPMENT	11,299	1,005	4,593	-	925	-	3,856	-	880	-
DEPARTMENT OF THE INTERIOR, TOTAL	254,675	170,979	16,175	3,050	16,096	40	683	40	47,612	-
BUREAU OF LAND MANAGEMENT	1,974	1,820	-	-	154	-	-	-	-	-
BUREAU OF MINES	23,891	3,840	12,143	2,850	4,410	-	628	-	-	-
BUREAU OF RECLAMATION	8,749	6,884	853	-	880	-	-	40	92	-
GEOLOGICAL SURVEY	89,935	83,211	2,100	-	4,584	40	-	-	-	-
MINERAL MANAGEMENT SERVICE	1,500	335	125	200	840	-	-	-	-	-
NATIONAL PARK SERVICE	13,746	10,554	-	-	3,137	-	55	-	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	1,478	465	778	-	235	-	-	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	756	324	176	-	256	-	-	-	-	-
US FISH & WILDLIFE SERVICE	80,646	31,526	-	-	1,600	-	-	-	47,520	-
DEPARTMENT OF JUSTICE, TOTAL	17,060	892	2,334	-	5,208	-	8,061	-	565	-
DRUG ENFORCEMENT ADMINISTRATION	900	300	600	-	-	-	-	-	-	-
FEDERAL PRISON SYSTEM	1,290	490	-	-	630	-	170	-	-	-
IMMIGRATION & NATURALIZATION SVC	300	40	260	-	-	-	-	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	14,370	60	1,366	-	4,488	-	7,891	-	565	-
OFFICE OF LEGAL POLICY	200	2	108	-	90	-	-	-	-	-
DEPARTMENT OF LABOR, TOTAL	12,680	4,865	5,541	-	1,703	-	445	-	116	10
BUREAU OF LABOR STATISTICS	665	665	-	-	-	-	-	-	-	-
EMPLOYMENT STANDARDS ADMINISTRATION	1,400	800	368	-	232	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	2,644	546	56	-	1,471	-	445	-	116	10
LABOR-MANAGEMENT SERVICES ADMIN	882	882	-	-	-	-	-	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	5,264	426	4,838	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	1,525	1,525	-	-	-	-	-	-	-	-
PENSION BENEFIT GUARANTEE CORPORATION	300	21	279	-	-	-	-	-	-	-

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TABLE C-53. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL							
			UNITED STATES AND TERRITORIES							FOREIGN
			INDUS-TRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS	STATE AND LOCAL GOVTS	
DEPARTMENT OF STATE, TOTAL	1,488	812	647	-	29	-	-	-	-	-
DEPARTMENTAL FUNDS	1,488	812	647	-	29	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	71,696	17,476	38,190	-	8,263	62	2,896	-	4,748	61
COAST GUARD	765	569	30	-	-	62	-	-	43	61
FEDERAL AVIATION ADMINISTRATION	12,500	2,814	9,686	-	-	-	-	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	7,300	800	4,193	-	620	-	1,000	-	987	-
FEDERAL RAILROAD ADMINISTRATION	2,800	1,364	1,196	-	-	-	40	-	-	-
MARITIME ADMINISTRATION	2,700	280	5,120	-	300	-	-	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	21,400	6,549	11,033	-	1,490	-	1,002	-	1,326	-
OFFICE OF THE SECRETARY	300	20	40	-	240	-	-	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN	2,600	1,290	100	-	1,250	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN	18,331	3,930	6,792	-	4,363	-	854	-	2,392	-
DEPARTMENT OF THE TREASURY, TOTAL	6,677	4,532	1,885	-	-	-	260	-	-	-
BUREAU OF ENGRAVING AND PRINTING	1,400	980	420	-	-	-	-	-	-	-
INTERNAL REVENUE SERVICE	4,985	3,520	1,445	-	-	-	-	-	-	-
OFFICE OF PROTECTIVE RESEARCH	292	32	-	-	-	-	260	-	-	-
OTHER AGENCIES										
ADVISORY COMM ON INTERGOV'TL RELATIONS	2,110	2,110	-	-	-	-	-	-	-	-
AGENCY FOR INTERNAT'L DEVELOPMENT	152,586	10,488	11,498	-	34,577	-	26,889	792	200	68,141
APPALACHIAN REGIONAL COMMISSION	247	15	162	-	-	-	-	-	70	-
CONSUMER PRODUCT SAFETY COMMISSION	320	320	-	-	-	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	152,380	61,649	56,974	-	27,929	-	5,052	-	576	200
FEDERAL COMMUNICATIONS COMMISSION	1,332	1,270	12	-	50	-	-	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY	3,319	1,183	1,112	30	201	604	117	36	36	-
FEDERAL HOME LOAN BANK BOARD	3,038	2,792	-	-	246	-	-	-	-	-
FEDERAL TRADE COMMISSION	205	205	-	-	-	-	-	-	-	-
GENERAL SERVICES ADMINISTRATION	235	235	-	-	-	-	-	-	-	-
INTERNATIONAL TRADE COMMISSION	4,672	4,672	-	-	-	-	-	-	-	-
LIBRARY OF CONGRESS	1,006	1,006	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	927,787	547,461	276,934	-	29,600	35,492	33,954	264	1,433	2,649
NATIONAL SCIENCE FOUNDATION	62,954	5,113	5,004	383	46,600	235	4,792	-	101	626
NUCLEAR REGULATORY COMMISSION	207,295	23,358	8,460	115,323	5,129	32,858	3,163	17,906	60	1,438
TENNESSEE VALLEY AUTHORITY	6,700	4,800	-	-	-	-	1,900	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	839	45	507	35	67	90	45	50	-	-
UNITED STATES INFORMATION AGENCY	7	1	6	-	-	-	-	-	-	-
VETERANS ADMINISTRATION	132,000	129,862	-	-	200	-	1,938	-	-	-

1/ INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-5. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1984 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL							
			UNITED STATES AND TERRITORIES							FOREIGN
			INDUS-TRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS	STATE AND LOCAL GOVTS	
TOTAL, ALL AGENCIES	8,127,270	3,113,297	1,773,241	392,014	1,504,114	624,277	427,413	73,868	123,415	95,631
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	495,594	290,807	1,433	-	156,213	-	762	-	1,157	5,222
AGRICULTURAL COOPERATIVE SERVICE	2,180	1,680	-	-	500	-	-	-	-	-
AGRICULTURAL MARKETING SERVICE	1,250	1,250	-	-	-	-	-	-	-	-
AGRICULTURAL RESEARCH SERVICE	194,900	176,461	-	-	15,923	-	636	-	625	1,225
COOPERATIVE STATE RESEARCH SERVICE	136,806	4,341	-	-	131,988	-	-	-	477	-
ECONOMIC RESEARCH SERVICE	39,896	38,096	-	-	1,800	-	-	-	-	-
FOREST SERVICE	64,050	59,438	333	-	4,122	-	126	-	25	6
HUMAN NUTRITION INFORMATION SERVICE	6,100	3,800	1,100	-	1,200	-	-	-	-	-
OFF OF INTERNAT'L COOPERATION & DEV.	4,556	565	-	-	-	-	-	-	-	3,991
OFFICE OF TRANSPORTATION	356	356	-	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE	5,500	4,820	-	-	680	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	272,644	199,371	12,990	-	48,126	618	2,563	250	7,500	826
BUREAU OF THE CENSUS	1,907	1,907	-	-	-	-	-	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION	4,773	953	660	-	3,000	-	160	-	400	-
NATIONAL BUREAU OF STANDARDS	63,107	58,437	1,820	-	2,300	50	500	-	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	194,567	130,870	10,510	-	42,826	568	2,303	250	7,100	140
NAT'L TELECOMM & INFORMATION ADMIN	7,594	7,594	-	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	696	10	-	-	-	-	-	-	-	686
DEPARTMENT OF DEFENSE, TOTAL	2,168,184	889,603	968,007	64,679	114,950	68,815	45,475	9,665	-	6,990
DEPARTMENT OF THE ARMY	464,157	293,289	131,758	-	25,786	2,198	7,671	90	-	3,365
DEPARTMENT OF THE NAVY	426,100	237,563	111,307	59,399	11,394	3,400	1,125	1,912	-	-
DEPARTMENT OF THE AIR FORCE	514,100	154,242	294,695	-	48,800	-	15,138	-	-	1,225
DEFENSE AGENCIES	763,827	204,509	430,247	5,280	28,970	63,217	21,541	7,663	-	2,400
DEPARTMENT OF EDUCATION	75,015	4,853	2,942	-	44,193	-	18,750	-	2,842	1,435
DEPARTMENT OF ENERGY	1,231,733	122,188	229,293	194,861	115,640	488,548	22,466	44,805	11,198	2,734
DEPT OF HLTH & HUMAN SERVICES, TOTAL	1,705,911	476,800	98,147	29,102	796,721	5,011	244,212	3,541	35,229	16,848
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	178,417	51,177	8,624	-	85,717	-	21,228	-	10,778	893
CENTERS FOR DISEASE CONTROL	83,512	55,185	6,900	-	5,400	-	15,699	-	400	328
FOOD & DRUG ADMINISTRATION	79,300	71,600	-	-	3,920	-	3,700	-	-	80
HEALTH CARE FINANCING ADMIN	31,000	3,109	15,572	-	4,107	-	6,028	-	2,184	-
HEALTH RESOURCES AND SERVICES ADMINISTRATION	14,770	930	-	-	11,274	2,453	-	-	113	-
HUMAN DEVELOPMENT SERVICES	5,457	948	746	-	858	-	2,053	-	846	6
NATIONAL INSTITUTES OF HEALTH	1,284,349	282,549	60,512	29,102	683,455	2,858	190,779	3,541	18,012	15,541
OFFICE OF THE SECRETARY	9,500	2,500	1,500	-	1,000	-	4,500	-	-	-
SOCIAL SECURITY ADMINISTRATION	17,606	8,802	4,693	-	990	-	225	-	2,896	-
DEPT OF HOUSING & URBAN DEVELOPMENT	10,487	933	4,279	-	860	-	3,587	-	828	-
DEPARTMENT OF THE INTERIOR, TOTAL	276,330	180,484	15,172	2,900	22,920	-	800	30	54,024	-
BUREAU OF LAND MANAGEMENT	2,038	1,864	-	-	174	-	-	-	-	-
BUREAU OF MINES	59,261	40,943	10,252	2,700	4,566	-	800	-	-	-
BUREAU OF RECLAMATION	9,826	6,418	1,609	-	1,765	-	-	30	4	-
GEOLOGICAL SURVEY	96,345	85,886	2,434	-	8,025	-	-	-	-	-
MINERAL MANAGEMENT SERVICE	1,500	335	125	200	840	-	-	-	-	-
NATIONAL PARK SERVICE	14,000	10,000	-	-	4,000	-	-	-	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	970	640	252	-	39	-	-	-	39	-
OFFICE OF WATER RSCH & TECHNOLOGY	3,181	770	500	-	1,911	-	-	-	-	-
US FISH & WILDLIFE SERVICE	89,209	33,628	-	-	1,600	-	-	-	53,981	-
DEPARTMENT OF JUSTICE, TOTAL	18,711	884	1,500	-	4,588	-	11,089	-	650	-
DRUG ENFORCEMENT ADMINISTRATION	800	300	500	-	-	-	-	-	-	-
FEDERAL PRISON SYSTEM	1,200	490	-	-	180	-	530	-	-	-
IMMIGRATION & NATURALIZATION SVC	400	40	360	-	-	-	-	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	15,911	50	900	-	4,280	-	10,431	-	650	-
OFFICE OF LEGAL POLICY	400	4	140	-	128	-	128	-	-	-
DEPARTMENT OF LABOR, TOTAL	12,967	4,877	5,757	-	1,510	-	723	-	100	-
BUREAU OF LABOR STATISTICS	547	547	-	-	-	-	-	-	-	-
EMPLOYMENT STANDARDS ADMINISTRATION	935	835	90	-	10	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	2,484	447	314	-	900	-	723	-	100	-
LABOR-MANAGEMENT SERVICES ADMIN	1,926	926	400	-	600	-	-	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	5,075	400	4,675	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	1,700	1,700	-	-	-	-	-	-	-	-
PENSION BENEFIT GUARANTEE CORPORATION	300	22	278	-	-	-	-	-	-	-

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TABLE C-54. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1984 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL							
			UNITED STATES AND TERRITORIES							FOREIGN
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	
DEPARTMENT OF STATE, TOTAL	1,567	807	686	-	30	-	44	-	-	-
DEPARTMENTAL FUNDS	1,567	807	686	-	30	-	44	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	81,990	21,618	44,625	-	5,214	25	3,322	-	7,186	-
COAST GUARD	3,299	[illegible] 149	1,125	-	-	25	-	-	-	-
FEDERAL AVIATION ADMINISTRATION	18,900	2,520	16,380	-	-	-	-	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	7,900	[illegible]	4,605	-	995	-	1,000	-	1,200	-
FEDERAL RAILROAD ADMINISTRATION	5,400	3,565	1,760	-	-	-	75	-	-	-
MARITIME ADMINISTRATION	4,100	908	3,079	-	50	-	63	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	24,700	7,410	12,844	-	1,729	-	1,323	-	1,394	-
OFFICE OF THE SECRETARY	300	20	40	-	240	-	-	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN	1,800	1,200	200	-	400	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN	15,591	3,346	4,592	-	2,200	-	861	-	4,592	-
DEPARTMENT OF THE TREASURY, TOTAL	6,641	4,997	1,644	-	-	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING	1,600	1,120	480							
INTERNAL REVENUE SERVICE	4,891	3,727	1,164	-	-	-	-	-	-	-
OFFICE OF PROTECTIVE RESEARCH	150	150	-	-	-	-	-	-	-	-
OTHER AGENCIES										
ADVISORY COMM ON INTERGOV'TL RELATIONS	2,064	2,064	-	-	-	-	-	-	-	-
AGENCY FOR INTERNAT'L DEVELOPMENT	167,900	6,255	8,082	-	75,983	-	21,508	-	-	[illegible] 072
APPALACHIAN REGIONAL COMMISSION	350	25	275	-	-	-	-	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION	504	504	-	-	-	-	-	-	50	-
ENVIRONMENTAL PROTECTION AGENCY	155,201	63,243	57,366	-	28,017	-	5,349	-	1,026	200
FEDERAL COMMUNICATIONS COMMISSION	1,498	1,448	-	-	50	-	-	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY	3,300	1,170	1,106	29	206	601	116	36	36	-
FEDERAL HOME LOAN BANK BOARD	2,970	2,770	-	-	200	-	-	-	-	-
FEDERAL TRADE COMMISSION	234	234	-	-	-	-	-	-	-	-
GENERAL SERVICES ADMINISTRATION	307	307	-	-	-	-	-	-	-	-
INTERNATIONAL TRADE COMMISSION	4,584	4,584	-	-	-	-	-	-	-	-
LIBRARY OF CONGRESS	1,019	1,019	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	1,012,031	610,814	297,772	-	32,800	28,646	36,960	265	1,484	3,270
NATIONAL SCIENCE FOUNDATION	66,014	3,748	6,156	389	50,869	25	4,151	-	85	591
NUCLEAR REGULATORY COMMISSION	190,862	[illegible] 899	13,651	100,034	4,764	31,598	2,372	15,081	20	1,443
TENNESSEE VALLEY AUTHORITY	8,000	4,000	-	-	-	-	2,000	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	1,465	130	890	20	60	70	100	195	-	-
UNITED STATES INFORMATION AGENCY	1,493	25	1,468	-	-	-	-	-	-	-
VETERANS ADMINISTRATION	189,700	188,836	-	-	200	-	664	-	-	-

1/ INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-95. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1985 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL: UNITED STATES AND FOREIGN							
			INDUSTRIAL FIRMS	FFRDCs ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCs ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCs ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	FOREIGN
TOTAL, ALL AGENCIES	8,396,633	3,227,564	1,890,772	417,034	1,438,745	617,838	428,883	78,990	118,994	177,813
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	449,981	292,443	2,708	-	149,006	-	855	-	1,163	3,806
AGRICULTURAL COOPERATIVE SERVICE	1,426	1,426	-	-	-	-	-	-	-	-
AGRICULTURAL RESEARCH SERVICE	201,200	180,838	-	-	17,648	-	637	-	626	1,401
COOPERATIVE STATE RESEARCH SERVICE	128,207	3,827	-	-	123,896	-	-	-	484	-
ECONOMIC RESEARCH SERVICE	42,732	41,292	-	-	1,440	-	-	-	-	-
FOREST SERVICE	99,840	95,364	308	-	4,022	-	118	-	23	5
HUMAN NUTRITION INFORMATION SERVICE	7,500	3,800	2,400	-	1,200	-	100	-	-	-
OFF OF INTERNAT'L COOPERATION & DEV.	3,021	621	-	-	-	-	-	-	-	2,400
OFFICE OF TRANSPORTATION	365	365	-	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE	5,700	4,920	-	-	780	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	201,187	175,015	8,448	-	14,799	300	1,846	-	189	590
BUREAU OF THE CENSUS	2,335	2,335	-	-	-	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	63,731	58,981	2,000	-	2,200	-	550	-	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	127,216	106,144	6,448	-	12,599	300	1,316	-	189	240
NAT'L TELECOMM & INFORMATION ADMIN	7,846	7,846	-	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	360	10	-	-	-	-	-	-	-	350
DEPARTMENT OF DEFENSE, TOTAL	2,406,204	1,047,529	1,025,486	89,230	126,927	47,195	49,361	12,256	-	7,660
DEPARTMENT OF THE ARMY	564,120	326,166	178,735	-	30,903	6,269	8,340	927	-	2,780
DEPARTMENT OF THE NAVY	492,300	252,727	129,741	86,484	12,731	3,644	1,247	2,726	-	-
DEPARTMENT OF THE AIR FORCE	577,200	199,817	349,103	-	20,425	-	16,555	-	-	1,300
DEFENSE AGENCIES	772,584	295,819	367,907	2,746	32,868	37,242	23,219	9,203	-	3,580
DEPARTMENT OF EDUCATION	62,908	4,908	3,352	-	35,428	-	16,811	-	1,474	935
DEPARTMENT OF ENERGY	1,268,964	113,878	254,950	201,972	112,112	497,665	22,135	52,698	11,269	2,685
DEPT OF HLTH & HUMAN SERVICES, TOTAL	1,679,147	469,421	100,628	30,145	773,577	2,704	248,777	3,478	35,417	15,000
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	184,017	51,387	10,153	-	87,117	-	23,110	-	11,319	931
CENTERS FOR DISEASE CONTROL	83,962	33,680	6,500	-	9,420	-	15,699	-	400	303
FOOD & DRUG ADMINISTRATION	81,000	73,320	-	-	3,900	-	3,700	-	-	80
HEALTH CARE FINANCING ADMIN	35,000	2,885	16,610	-	4,620	-	8,435	-	2,450	-
HEALTH RESOURCES AND SERVICES ADMINISTRATION	3,020	880	-	-	1,940	-	200	-	-	-
HUMAN DEVELOPMENT SERVICES	3,016	364	220	-	251	-	1,208	-	970	3
NATIONAL INSTITUTES OF HEALTH	1,264,884	276,396	99,450	30,145	669,007	2,704	192,325	3,478	17,696	13,683
OFFICE OF THE SECRETARY	7,500	1,500	1,000	-	1,000	-	4,000	-	-	-
SOCIAL SECURITY ADMINISTRATION	16,728	7,009	6,695	-	342	-	100	-	2,982	-
DEPT OF HOUSING & URBAN DEVELOPMENT	11,107	986	4,532	-	911	-	3,799	-	879	-
DEPARTMENT OF THE INTERIOR, TOTAL	248,936	164,370	9,700	2,900	13,587	-	800	10	57,189	-
BUREAU OF LAND MANAGEMENT	1,780	1,680	-	-	100	-	-	-	-	-
BUREAU OF MINES	34,300	24,846	5,454	2,700	500	-	800	-	-	-
BUREAU OF RECLAMATION	10,503	7,328	1,727	-	1,338	-	-	10	100	-
GEOLOGICAL SURVEY	87,020	81,744	1,810	-	3,466	-	-	-	-	-
MINERAL MANAGEMENT SERVICE	1,800	335	225	200	1,040	-	-	-	-	-
NATIONAL PARK SERVICE	14,500	500	-	-	4,000	-	-	-	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	2,947	640	484	-	1,843	-	-	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	378	378	-	-	-	-	-	-	-	-
US FISH & WILDLIFE SERVICE	95,308	26,919	-	-	1,300	-	-	-	57,089	-
DEPARTMENT OF JUSTICE, TOTAL	12,378	781	1,720	-	3,480	-	5,697	-	700	-
DRUG ENFORCEMENT ADMINISTRATION	700	200	500	-	-	-	-	-	-	-
FEDERAL PRISON SYSTEM	1,100	490	-	-	180	-	430	-	-	-
IMMIGRATION & NATURALIZATION SVC	200	40	160	-	-	-	-	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	10,278	50	1,000	-	3,300	-	5,228	-	700	-
OFFICE OF LEGAL POLICY	100	1	60	-	-	-	39	-	-	-
DEPARTMENT OF LABOR, TOTAL	13,879	5,814	6,343	-	1,683	-	739	-	100	-
BUREAU OF LABOR STATISTICS	621	621	-	-	-	-	-	-	-	-
EMPLOYMENT STANDARDS ADMINISTRATION	963	863	100	-	-	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMIN	2,498	326	412	-	921	-	739	-	100	-
LABOR-MANAGEMENT SERVICES ADMIN	2,522	972	788	-	762	-	-	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	5,075	400	4,675	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	1,800	1,800	-	-	-	-	-	-	-	-
PENSION BENEFIT GUARANTEE CORPORATION	400	32	368	-	-	-	-	-	-	-

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TABLE C-55. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1985 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL							
			UNITED STATES AND POSSESSIONS							FOREIGN
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	
DEPARTMENT OF STATE, TOTAL	1,670	885	721	-	30	-	34	-	-	-
DEPARTMENTAL FUNDS	1,670	885	721	-	30	-	34	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	79,630	20,994	42,647	-	5,278	25	2,952	250	7,434	50
COAST GUARD	4,625	2,949	1,601	-	-	25	-	-	-	50
FEDERAL AVIATION ADMINISTRATION	19,700	4,334	15,366	-	-	-	-	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	9,100	500	5,600	-	800	-	1,000	-	1,200	-
FEDERAL RAILROAD ADMINISTRATION	2,700	1,450	1,225	-	-	-	25	-	-	-
MARITIME ADMINISTRATION	2,900	250	2,300	-	-	-	-	250	100	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	27,400	8,220	14,522	-	1,918	-	1,040	-	1,700	-
OFFICE OF THE SECRETARY	300	20	20	-	260	-	-	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN	600	500	100	-	-	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN	12,305	2,771	1,913	-	2,300	-	887	-	4,434	-
DEPARTMENT OF THE TREASURY, TOTAL	13,790	9,934	3,856	-	-	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING	1,800	1,260	540	-	-	-	-	-	-	-
INTERNAL REVENUE SERVICE	11,840	8,524	3,316	-	-	-	-	-	-	-
OFFICE OF PROTECTIVE RESEARCH	150	150	-	-	-	-	-	-	-	-
OTHER AGENCIES										
ADVISORY COMM ON INTERGOV'TL RELATIONS	2,151	2,151	-	-	-	-	-	-	-	-
AGENCY FOR INTERNAT'L DEVELOPMENT	244,806	5,459	6,828	-	121,020	-	19,978	-	-	91,521
CONSUMER PRODUCT SAFETY COMMISSION	539	539	-	-	-	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	174,374	68,160	65,129	-	32,704	-	6,360	-	1,521	200
FEDERAL COMMUNICATIONS COMMISSION	1,422	1,272	100	-	50	-	-	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY	6,200	2,183	2,077	96	403	1,128	217	68	68	-
FEDERAL HOME LOAN BANK BOARD	2,900	2,700	-	-	200	-	-	-	-	-
FEDERAL TRADE COMMISSION	250	250	-	-	-	-	-	-	-	-
GENERAL SERVICES ADMINISTRATION	40	40	-	-	-	-	-	-	-	-
INTERNATIONAL TRADE COMMISSION	5,520	5,520	-	-	-	-	-	-	-	-
LIBRARY OF CONGRESS	1,169	1,169	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	1,088,063	638,807	324,517	-	36,700	42,705	39,805	265	1,484	3,780
NATIONAL SCIENCE FOUNDATION	78,208	4,964	11,340	396	54,468	24	4,133	210	107	564
NUCLEAR REGULATORY COMMISSION	168,415	22,751	11,455	92,315	4,162	26,102	1,950	9,060	-	1,020
TENNESSEE VALLEY AUTHORITY	8,400	6,200	-	-	-	-	2,200	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	1,075	130	640	20	60	30	100	95	-	-
UNITED STATES INFORMATION AGENCY	4,000	25	3,975	-	-	-	-	-	-	-
VETERANS ADMINISTRATION	160,000	159,086	-	-	200	-	714	-	-	-

1/ INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-96. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY DETAILED FIELD OF SCIENCE: FISCAL YEARS 1983, 1984, AND 1985

(THOUSANDS OF DOLLARS)

FIELD OF SCIENCE	ACTUAL, 1983	ESTIMATES	
		1984	1985
TOTAL, ALL FIELDS	7,993,394	8,127,270	8,396,633
LIFE SCIENCES, TOTAL	2,286,995	2,506,159	2,526,082
BIOLOGICAL (EXCLUDING ENVIRONMENTAL)	683,686	739,521	741,866
ENVIRONMENTAL BIOLOGY	100,967	104,699	103,876
AGRICULTURAL	350,973	354,909	421,785
MEDICAL	1,048,531	1,199,789	1,149,319
LIFE SCIENCES, NEC	102,438	107,241	109,226
PSYCHOLOGY, TOTAL	147,944	154,914	178,544
BIOLOGICAL ASPECTS	31,821	37,226	38,468
SOCIAL ASPECTS	71,848	74,330	91,914
PSYCHOLOGICAL SCIENCES, NEC	44,275	43,358	48,162
PHYSICAL SCIENCES, TOTAL	1,304,256	1,251,463	1,184,907
ASTRONOMY	2,950	3,234	3,452
CHEMISTRY	158,103	170,550	177,699
PHYSICS	999,462	942,796	863,865
PHYSICAL SCIENCES, NEC	143,741	134,883	139,891
ENVIRONMENTAL SCIENCES, TOTAL	671,153	642,941	628,644
ATMOSPHERIC	288,051	264,841	276,208
GEOLOGICAL	195,246	151,073	155,844
OCEANOGRAPHY	137,895	154,473	121,983
ENVIRONMENTAL SCIENCES, NEC	79,962	72,949	74,607
MATHEMATICS & COMPUTER SCIENCES, TOTAL	211,287	218,004	287,048
MATHEMATICS	32,605	34,695	35,774
COMPUTER SCIENCES	124,114	123,117	128,916
MATHEMATICS & COMPUTER SCIENCES, NEC	54,568	60,192	122,358
ENGINEERING, TOTAL	2,827,496	2,767,082	2,978,721
AERONAUTICAL	679,852	675,192	748,151
ASTRONAUTICAL	271,135	288,045	307,846
CHEMICAL	94,592	87,999	84,009
CIVIL	156,039	162,600	175,920
ELECTRICAL	519,124	499,631	567,069
MECHANICAL	205,673	134,841	144,996
METALLURGY & MATERIALS	149,432	151,522	162,209
ENGINEERING, NEC	751,449	767,253	788,521
SOCIAL SCIENCES, TOTAL	297,545	331,462	314,555
ANTHROPOLOGY	1,624	1,732	1,745
ECONOMICS	124,849	136,374	137,271
POLITICAL SCIENCE	6,551	6,066	6,316
SOCIOLOGY	35,043	39,487	34,039
SOCIAL SCIENCES, NEC	129,798	147,803	135,184
OTHER SCIENCES, NEC	247,118	255,245	298,132

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-57. FEDERAL OBLICATIONS FOR APPLIED RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS AND COM-PUTER SCIENCES	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES	7,993,394	2,286,595	147,944	1,304,256	671,153	211,287	2,827,496	297,545	247,118
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	455,539	301,349	65	27,619	8,541	9,073	34,766	74,126	-
AGRICULTURAL COOPERATIVE SERVICE	2,445	-	-	-	-	-	-	2,145	-
AGRICULTURAL MARKETING SERVICE	1,147	1,147	-	-	-	-	-	-	-
AGRICULTURAL RESEARCH SERVICE	402,600	158,640	-	18,600	1,516	902	21,918	1,024	-
COOPERATIVE STATE RESEARCH SERVICE	133,478	91,717	-	6,674	836	-	4,576	29,675	-
ECONOMIC RESEARCH SERVICE	34,899	-	-	-	-	-	-	34,899	-
FOREST SERVICE	65,146	39,215	65	2,345	6,189	2,671	8,272	6,383	-
HUMAN NUTRITION INFORMATION SERVICE	8,200	7,800	-	-	-	400	-	-	-
OFF OF INTERNAT'L COOPERATION & DEV.	2,524	2,524	-	-	-	-	-	-	-
OFFICE OF TRANSPORTATION	306	306	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE	5,100	-	-	-	-	5,100	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	265,620	12,175	233	33,875	152,866	11,302	35,774	7,635	11,760
BUREAU OF THE CENSUS	1,919	-	161	-	-	1,226	-	482	48
ECONOMIC DEVELOPMENT ADMINISTRATION	4,773	-	-	-	-	-	-	4,773	-
NATIONAL BUREAU OF STANDARDS	63,091	-	-	26,686	297	8,207	27,725	176	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	188,931	12,175	72	7,189	152,569	1,544	4,641	2,204	8,537
NAT'L TELECOMM & INFORMATION ADMIN	6,906	-	-	-	-	323	3,408	-	3,175
DEPARTMENT OF DEFENSE, TOTAL	2,437,029	140,287	67,723	561,991	151,685	120,190	1,319,720	3,939	71,494
DEPARTMENT OF THE ARMY	485,791	78,317	31,763	86,903	12,733	7,549	260,283	2,064	5,699
DEPARTMENT OF THE NAVY	521,600	6,067	13,280	135,186	19,963	20,126	326,978	-	-
DEPARTMENT OF THE AIR FORCE	524,200	41,412	21,492	54,517	37,742	28,537	339,882	-	848
DEFENSE AGENCIES	905,938	14,491	1,188	285,385	81,247	64,188	392,577	1,875	64,987
DEPARTMENT OF EDUCATION	61,885	15,532	2,509	-	-	-	6,370	37,474	-
DEPARTMENT OF ENERGY	1,193,409	116,710	-	584,806	72,822	8,344	367,523	5,941	37,263
DEPT OF HLTH & HUMAN SERVICES, TOTAL	1,545,446	1,223,808	55,326	22,614	-	5,653	15,499	96,425	116,121
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	155,402	88,443	42,410	1,153	-	288	55	20,639	2,414
CENTERS FOR DISEASE CONTROL	78,164	78,164	-	-	-	-	-	-	-
FOOD & DRUG ADMINISTRATION	74,200	74,200	-	-	-	-	-	-	-
HEALTH CARE FINANCING ADMIN	30,208	-	-	-	-	-	-	30,208	-
HEALTH RESOURCES AND SERVICES ADMINISTRATION	10,203	5,058	-	-	-	-	-	-	5,145
HUMAN DEVELOPMENT SERVICES	6,871	-	-	-	-	-	-	6,871	-
NATIONAL INSTITUTES OF HEALTH	1,165,179	977,943	22,916	21,461	-	5,365	15,444	13,488	108,562
OFFICE OF THE SECRETARY	14,441	-	-	-	-	-	-	14,441	-
SOCIAL SECURITY ADMINISTRATION	10,778	-	-	-	-	-	-	10,778	-
DEPT OF HOUSING & URBAN DEVELOPMENT	11,259	-	-	-	-	-	1,956	9,303	-
DEPARTMENT OF THE INTERIOR, TOTAL	254,675	94,091	-	5,526	83,217	2,395	67,802	1,601	43
BUREAU OF LAND MANAGEMENT	1,974	1,871	-	-	163	-	-	-	-
BUREAU OF MINES	55,891	-	-	-	-	-	55,891	-	-
BUREAU OF RECLAMATION	8,749	220	-	-	4,092	-	4,282	112	43
GEOLOGICAL SURVEY	89,935	105	-	4,700	77,131	2,335	5,664	-	-
MINERAL MANAGEMENT SERVICE	1,500	-	-	-	-	-	1,500	-	-
NATIONAL PARK SERVICE	12,746	10,694	-	-	1,633	-	-	1,419	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	1,478	615	-	70	198	60	465	70	-
OFFICE OF WATER RSCH & TECHNOLOGY	756	-	-	756	-	-	-	-	-
US FISH & WILDLIFE SERVICE	80,646	80,646	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	17,060	240	1,684	200	-	-	1,120	13,816	-
DRUG ENFORCEMENT ADMINISTRATION	900	-	-	200	-	-	700	-	-
FEDERAL PRISON SYSTEM	1,290	-	300	-	-	-	-	990	-
IMMIGRATION & NATURALIZATION SVC	300	-	-	-	-	-	300	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	14,370	240	1,384	-	-	-	120	12,626	-
OFFICE OF LEGAL POLICY	200	-	-	-	-	-	-	200	-
DEPARTMENT OF LABOR, TOTAL	12,680	-	-	-	-	-	-	12,680	-
BUREAU OF LABOR STATISTICS	665	-	-	-	-	-	-	665	-
EMPLOYMENT STANDARDS ADMINISTRATION	1,400	-	-	-	-	-	-	1,400	-
EMPLOYMENT AND TRAINING ADMIN	2,644	-	-	-	-	-	-	2,644	-
LABOR-MANAGEMENT SERVICES ADMIN	882	-	-	-	-	-	-	882	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	5,264	-	-	-	-	-	-	5,264	-
OFFICE OF THE SECRETARY	1,525	-	-	-	-	-	-	1,525	-
PENSION BENEFIT GUARANTEE CORPORATION	300	-	-	-	-	-	-	300	-

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TABLE C-57. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

CONTINUED

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS AND COM-PUTER SCIENCES	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
DEPARTMENT OF STATE, TOTAL	1,488	-	-	41	13	-	-	1,416	18
DEPARTMENTAL FUNDS	1,488	-	-	41	13	-	-	1,416	18
DEPARTMENT OF TRANSPORTATION, TOTAL	71,696	3,603	147	1,155	568	2,434	55,618	7,590	100
COAST GUARD	765	-	57	563	-	-	-	145	-
FEDERAL AVIATION ADMINISTRATION	12,500	-	-	-	-	-	12,500	-	-
FEDERAL HIGHWAY ADMINISTRATION	7,300	274	-	593	568	491	4,901	373	100
FEDERAL RAILROAD ADMINISTRATION	2,800	-	-	-	-	8	2,792	-	-
MARITIME ADMINISTRATION	5,700	-	-	-	-	300	5,400	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	21,400	3,329	-	-	-	2,115	10,604	5,352	-
OFFICE OF THE SECRETARY	300	-	90	-	-	-	-	210	-
RESEARCH & SPECIAL PROGRAMS ADMIN	2,600	-	-	-	-	-	1,590	1,010	-
URBAN MASS TRANSPORTATION ADMIN	18,331	-	-	-	-	-	17,831	500	-
DEPARTMENT OF THE TREASURY, TOTAL	6,677	-	292	1,358	-	2,846	42	2,139	-
BUREAU OF ENGRAVING AND PRINTING	1,400	-	-	1,358	-	-	42	-	-
INTERNAL REVENUE SERVICE	4,985	-	-	-	-	2,846	-	2,139	-
OFFICE OF PROTECTIVE RESEARCH	292	-	292	-	-	-	-	-	-
OTHER AGENCIES									
ADVISORY COMM ON INTERGOV'TL RELATIONS	2,110	-	-	-	-	-	-	2,110	-
AGENCY FOR INTERNAT'L DEVELOPMENT	152,585	138,796	-	-	-	1,944	7,236	4,470	139
APPALACHIAN REGIONAL COMMISSION	247	-	-	-	-	-	-	247	-
CONSUMER PRODUCT SAFETY COMMISSION	320	320	-	-	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	152,380	57,728	581	13,856	32,620	3,766	41,899	252	1,618
FEDERAL COMMUNICATIONS COMMISSION	1,332	-	-	-	-	-	1,020	297	15
FEDERAL EMERGENCY MANAGEMENT AGENCY	3,319	307	10	847	3	587	547	1,068	30
FEDERAL HOME LOAN BANK BOARD	3,038	-	-	-	-	-	-	3,038	-
FEDERAL TRADE COMMISSION	205	-	-	-	-	-	-	205	-
GENERAL SERVICES ADMINISTRATION	235	-	-	-	-	-	235	-	-
INTERNATIONAL TRADE COMMISSION	4,672	-	-	-	-	-	-	4,672	-
LIBRARY OF CONGRESS	1,004	-	-	-	-	-	-	-	1,004
NATIONAL AERONAUTICS & SPACE ADMIN	927,787	46,744	1,163	40,401	163,730	39,740	635,314	-	695
NATIONAL SCIENCE FOUNDATION	62,454	12,873	172	9,410	4,126	2,533	30,043	6,974	6,816
NUCLEAR REGULATORY COMMISSION	207,295	-	-	-	-	-	207,295	-	-
TENNESSEE VALLEY AUTHORITY	6,700	2,400	-	100	962	-	3,238	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	839	-	-	456	-	-	276	107	-
UNITED STATES INFORMATION AGENCY	7	-	-	-	-	-	7	-	-
VETERANS ADMINISTRATION	132,000	119,732	8,032	-	-	-	4,236	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-7a. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1984 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS AND COM-PUTER SCIENCES	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES	8,127,270	2,506,159	154,914	1,251,463	642,941	218,004	2,767,082	331,462	255,245
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	455,594	297,455	64	27,[illegible]	8,399	8,994	33,911	79,732	-
AGRICULTURAL COOPERATIVE SERVICE	2,180	-	-	-	-	-	-	2,180	-
AGRICULTURAL MARKETING SERVICE	1,250	1,250	-	-	-	-	-	-	-
AGRICULTURAL RESEARCH SERVICE	194,900	152,431	-	17,894	1,458	868	21,046	963	-
COOPERATIVE STATE RESEARCH SERVICE	136,806	94,004	-	6,84[illegible]	856	-	4,690	30,41[illegible]	-
ECONOMIC RESEARCH SERVICE	39,896	-	-	-	-	-	-	[illegible],89[illegible]	-
FOREST SERVICE	64,050	38,938	64	[illegible],305	6,085	2,626	8,135	6,277	-
HUMAN NUTRITION INFORMATION SERVICE	6,100	6,100	-	-	-	-	-	-	-
OFF OF INTERNAT L COOPERATION & DEV.	4,556	4,556	-	-	-	-	-	-	-
OFFICE OF TRANSPORTATION	356	356	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE	5,500	-	-	-	-	5,500	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	272,644	11,922	23[illegible]	33,682	160,050	12,130	35,763	7,525	11,340
BUREAU OF THE CENSUS	1,907	-	160	-	-	1,221	-	480	46
ECONOMIC DEVELOPMENT ADMINISTRATION	4,773	-	-	-	-	-	-	4,773	-
NATIONAL BUREAU OF STANDARDS	63,107	-	-	25,259	305	8,921	28,423	199	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	194,567	11,922	72	7,727	159,745	1,639	4,100	2,973	7,289
NAT'L TELECOMM & INFORMATION ADMIN	7,594	-	-	-	-	349	3,240	-	4,005
OFFICE OF THE SECRETARY	696	-	-	696	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	2,168,184	149,959	64,549	471,139	104,846	118,601	1,197,801	2,336	58,953
DEPARTMENT OF THE ARMY	464,157	86,239	31,642	71,635	11,938	7,475	248,576	971	5,681
DEPARTMENT OF THE NAVY	426,100	6,083	10,122	65,998	18,226	21,865	303,686	-	120
DEPARTMENT OF THE AIR FORCE	514,100	41,753	22,785	54,980	35,277	28,224	326,677	-	404
DEFENSE AGENCIES	763,827	15,884	-	278,526	39,405	61,037	318,862	1,365	52,748
DEPARTMENT OF EDUCATION	75,015	20,817	2,816	-	-	-	6,910	44,472	-
DEPARTMENT OF ENERGY	1,231,733	129,588	-	615,394	76,445	9,471	357,286	5,978	37,571
DEPT OF HLTH & HUMAN SERVICES, TOTAL	1,705,911	1,347,449	73,047	24,634	-	6,245	17,112	105,310	132,114
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	178,417	99,452	47,757	953	-	328	68	26,864	2,995
CENTERS FOR DISEASE CONTROL	83,512	83,512	-	-	-	-	-	-	-
FOOD & DRUG ADMINISTRATION	79,300	79,300	-	-	-	-	-	-	-
HEALTH CARE FINANCING ADMIN	31,000	-	-	-	-	-	-	31,000	-
HEALTH RESOURCES AND SERVICES ADMINISTRATION	14,770	5,500	-	-	-	-	-	-	9,270
HUMAN DEVELOPMENT SERVICES	5,457	-	-	-	-	-	-	5,457	-
NATIONAL INSTITUTES OF HEALTH	1,286,349	1,079,685	25,290	23,681	-	5,917	17,044	14,883	119,849
OFFICE OF THE SECRETARY	9,500	-	-	-	-	-	-	9,500	-
SOCIAL SECURITY ADMINISTRATION	17,606	-	-	-	-	-	-	17,606	-
DEPT OF HOUSING & URBAN DEVELOPMENT	10,487	-	-	-	-	-	1,318	9,169	-
DEPARTMENT OF THE INTERIOR, TOTAL	276,330	102,817	-	7,844	86,2[illegible]	4,394	72,870	2,116	45
BUREAU OF LAND MANAGEMENT	2,038	1,923	-	-	115	-	-	-	-
BUREAU OF MINES	59,261	-	-	-	-	-	59,261	-	-
BUREAU OF RECLAMATION	9,826	285	-	-	5,235	-	4,196	65	45
GEOLOGICAL SURVEY	96,345	136	-	[illegible],000	78,721	4,168	6,320	-	-
MINERAL MANAGEMENT SERVICE	1,500	-	-	-	-	-	1,500	-	-
NATIONAL PARK SERVICE	14,000	11,000	-	-	1,500	-	-	1,500	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	970	-	-	323	-	-	547	130	-
OFFICE OF WATER RSCH & TECHNOLOGY	3,181	264	-	521	673	226	1,076	421	-
US FISH & WILDLIFE SERVICE	89,209	89,209	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	18,711	150	1,782	200	-	-	1,200	15,379	-
DRUG ENFORCEMENT ADMINISTRATION	800	-	-	200	-	-	600	-	-
FEDERAL PRISON SYSTEM	1,200	-	300	-	-	-	-	900	-
IMMIGRATION & NATURALIZATION SVC	400	-	-	-	-	-	400	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	15,911	150	1,482	-	-	-	200	14,079	-
OFFICE OF LEGAL POLICY	400	-	-	-	-	-	-	400	-
DEPARTMENT OF LABOR, TOTAL	12,967	-	-	-	-	-	-	12,967	-
BUREAU OF LABOR STATISTICS	547	-	-	-	-	-	-	547	-
EMPLOYMENT STANDARDS ADMINISTRATION	935	-	-	-	-	-	-	935	-
EMPLOYMENT AND TRAINING ADMIN	2,484	-	-	-	-	-	-	2,484	-
LABOR-MANAGEMENT SERVICES ADMIN	1,926	-	-	-	-	-	-	1,926	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	4,075	-	-	-	-	-	-	4,075	-
OFFICE OF THE SECRETARY	1,700	-	-	-	-	-	-	1,700	-
PENSION BENEFIT GUARANTEE CORPORATION	300	-	-	-	-	-	-	300	-

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TABLE C-58. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1984 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS AND COM-PUTER SCIENCES	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES N.E.C.
DEPARTMENT OF STATE, TOTAL	1,567	-	-	40	22	-	-	1,468	37
DEPARTMENTAL FUNDS	1,567	-	-	40	22	-	-	1,468	37
DEPARTMENT OF TRANSPORTATION, TOTAL	81,990	4,161	638	1,307	621	2,996	61,518	10,369	380
COAST GUARD	3,299	-	150	707	171	-	2,123	148	-
FEDERAL AVIATION ADMINISTRATION	18,900	-	-	-	-	-	18,900	-	-
FEDERAL HIGHWAY ADMINISTRATION	7,900	185	-	600	450	450	5,385	450	380
FEDERAL RAILROAD ADMINISTRATION	5,400	-	378	-	-	19	5,003	-	-
MARITIME ADMINISTRATION	4,100	-	-	-	-	200	3,900	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	24,700	3,976	-	-	-	2,327	9,866	6,531	-
OFFICE OF THE SECRETARY	300	-	110	-	-	-	-	190	-
RESEARCH & SPECIAL PROGRAMS ADMIN	1,800	-	-	-	-	-	1,150	650	-
URBAN MASS TRANSPORTATION ADMIN	15,591	-	-	-	-	-	15,191	400	-
DEPARTMENT OF THE TREASURY, TOTAL	6,641	-	150	1,552	-	2,382	48	2,509	-
BUREAU OF ENGRAVING AND PRINTING	1,600	-	-	1,552	-	-	48	-	-
INTERNAL REVENUE SERVICE	4,891	-	-	-	-	2,382	-	2,509	-
OFFICE OF PROTECTIVE RESEARCH	150	-	150	-	-	-	-	-	-
OTHER AGENCIES									
ADVISORY COMM ON INTERGOV'TL RELATIONS	2,064	-	-	-	-	-	-	2,064	-
AGENCY FOR INTERNAT'L DEVELOPMENT	167,900	153,039	-	-	-	1,407	4,807	3,272	5,375
APPALACHIAN REGIONAL COMMISSION	350	-	-	-	-	-	-	350	-
CONSUMER PRODUCT SAFETY COMMISSION	504	504	-	-	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	155,201	58,970	697	13,656	34,713	3,537	31,820	9,706	2,102
FEDERAL COMMUNICATIONS COMMISSION	1,498	-	-	-	-	-	940	529	29
FEDERAL EMERGENCY MANAGEMENT AGENCY	3,300	204	10	841	3	584	545	1,083	30
FEDERAL HOME LOAN BANK BOARD	2,970	-	-	-	-	-	-	2,970	-
FEDERAL TRADE COMMISSION	234	-	-	-	-	-	-	234	-
GENERAL SERVICES ADMINISTRATION	307	-	-	-	-	-	307	-	-
INTERNATIONAL TRADE COMMISSION	4,584	-	-	-	-	-	-	4,584	-
LIBRARY OF CONGRESS	1,019	-	-	-	-	-	-	-	1,019
NATIONAL AERONAUTICS & SPACE ADMIN	1,012,031	37,467	1,094	43,194	166,636	44,384	718,556	-	800
NATIONAL SCIENCE FOUNDATION	66,014	12,602	170	10,256	4,15[illegible]	2,929	23,450	[illegible],000	5,450
NUCLEAR REGULATORY COMMISSION	190,862	-	-	-	-	-	190,662	-	-
TENNESSEE VALLEY AUTHORITY	8,000	3,000	-	100	700	-	4,200	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	1,465	-	-	585	105	50	385	340	-
UNITED STATES INFORMATION AGENCY	1,493	-	-	-	-	-	1,493	-	-
VETERANS ADMINISTRATION	189,700	176,055	9,665	-	-	-	3,980	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-59. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1985 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS AND COM-PUTER SCIENCES	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES	8,396,633	2,526,082	178,544	1,184,907	628,644	287,048	2,578,721	314,555	298,132
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	449,981	292,562	60	27,035	7,992	9,049	33,762	79,521	-
AGRICULTURAL COOPERATIVE SERVICE	1,426	-	-	-	-	-	-	1,426	-
AGRICULTURAL RESEARCH SERVICE	201,200	157,565	-	18,471	1,506	896	21,767	995	-
COOPERATIVE STATE RESEARCH SERVICE	128,207	84,097	-	6,410	802	-	4,395	28,503	-
ECONOMIC RESEARCH SERVICE	42,732	-	-	-	-	-	-	42,732	-
FOREST SERVICE	59,840	36,924	60	2,154	5,684	2,453	7,600	5,865	-
HUMAN NUTRITION INFORMATION SERVICE	7,500	7,500	-	-	-	-	-	-	-
OFF OF INTERNAT'L COOPERATION & DEV.	3,021	3,021	-	-	-	-	-	-	-
OFFICE OF TRANSPORTATION	355	355	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE	5,700	-	-	-	-	5,700	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	201,187	-	160	37,802	111,639	12,552	38,106	738	10,190
BUREAU OF THE CENSUS	2,335	-	160	-	-	1,649	-	480	46
NATIONAL BUREAU OF STANDARDS	63,731	-	-	30,405	315	9,060	23,745	206	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	127,216	-	-	7,037	111,324	1,493	1,121	52	6,189
NAT'L TELECOMM & INFORMATION ADMIN	7,545	-	-	-	-	350	3,240	-	3,955
OFFICE OF THE SECRETARY	360	-	-	360	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	2,406,204	148,182	88,662	382,196	115,424	186,184	1,370,832	3,817	110,907
DEPARTMENT OF THE ARMY	564,120	82,590	49,238	105,874	13,696	10,835	294,750	1,517	5,620
DEPARTMENT OF THE NAVY	492,300	6,276	15,336	71,184	26,299	24,989	345,632	-	2,584
DEPARTMENT OF THE AIR FORCE	577,200	43,404	24,088	60,492	47,176	31,860	369,408	-	772
DEFENSE AGENCIES	772,584	15,912	-	144,646	28,253	118,500	361,042	2,300	101,931
DEPARTMENT OF EDUCATION	62,908	17,253	2,343	36	-	36	6,429	36,811	-
DEPARTMENT OF ENERGY	1,268,964	125,134	-	624,999	82,463	8,966	389,422	5,194	32,786
DEPT OF HLTH & HUMAN SERVICES, TOTAL	1,679,147	1,332,253	73,553	25,320	-	6,139	16,825	101,625	123,432
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	184,017	104,704	48,655	2,083	-	321	65	24,746	3,463
CENTERS FOR DISEASE CONTROL	83,282	83,282	-	-	-	-	-	-	-
FOOD & DRUG ADMINISTRATION	81,000	81,000	-	-	-	-	-	-	-
HEALTH CARE FINANCING ADMIN	35,000	-	-	-	-	-	-	35,000	-
HEALTH RESOURCES AND SERVICES ADMINISTRATION	3,020	900	-	-	-	-	-	-	2,120
HUMAN DEVELOPMENT SERVICES	3,016	-	-	-	-	-	-	3,016	-
NATIONAL INSTITUTES OF HEALTH	1,264,884	1,061,667	24,868	23,287	-	5,818	16,760	14,635	117,849
OFFICE OF THE SECRETARY	7,500	-	-	-	-	-	-	7,500	-
SOCIAL SECURITY ADMINISTRATION	16,728	-	-	-	-	-	-	16,728	-
DEPT OF HOUSING & URBAN DEVELOPMENT	11,107	-	-	-	-	-	2,287	8,820	-
DEPARTMENT OF THE INTERIOR, TOTAL	248,556	109,037	-	7,069	81,673	3,620	45,505	1,597	55
BUREAU OF LAND MANAGEMENT	1,780	1,665	-	-	115	-	-	-	-
BUREAU OF MINES	34,300	-	-	-	-	-	34,300	-	-
BUREAU OF RECLAMATION	10,503	190	-	-	5,386	-	4,827	45	55
GEOLOGICAL SURVEY	87,020	153	-	4,800	74,175	3,592	4,300	-	-
MINERAL MANAGEMENT SERVICE	1,800	-	-	-	-	-	1,800	-	-
NATIONAL PARK SERVICE	14,500	11,500	-	-	1,500	-	-	1,500	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	2,967	190	-	2,207	420	-	150	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	378	31	-	62	77	28	128	52	-
US FISH & WILDLIFE SERVICE	95,308	95,308	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	12,378	150	800	200	-	-	900	10,328	-
DRUG ENFORCEMENT ADMINISTRATION	700	-	-	200	-	-	500	-	-
FEDERAL PRISON SYSTEM	1,100	-	300	-	-	-	-	800	-
IMMIGRATION & NATURALIZATION SVC	200	-	-	-	-	-	200	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	10,278	150	500	-	-	-	200	9,428	-
OFFICE OF LEGAL POLICY	100	-	-	-	-	-	-	100	-
DEPARTMENT OF LABOR, TOTAL	13,879	-	-	-	-	-	-	13,879	-
BUREAU OF LABOR STATISTICS	621	-	-	-	-	-	-	621	-
EMPLOYMENT STANDARDS ADMINISTRATION	963	-	-	-	-	-	-	963	-
EMPLOYMENT AND TRAINING ADMIN	2,498	-	-	-	-	-	-	2,498	-
LABOR-MANAGEMENT SERVICES ADMIN	2,522	-	-	-	-	-	-	2,522	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	5,075	-	-	-	-	-	-	5,075	-
OFFICE OF THE SECRETARY	1,800	-	-	-	-	-	-	1,800	-
PENSION BENEFIT GUARANTEE CORPORATION	400	-	-	-	-	-	-	400	-

CONTINUED ON NEXT PAGE

TABLE C-59. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1985 (ESTIMATED)

(THOUSANDS OF DOLLARS)

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AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS AND COM-PUTER SCIENCES	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
DEPARTMENT OF STATE, TOTAL	1,670	-	-	60	106	-	-	1,455	49
DEPARTMENTAL FUNDS	1,670	-	-	60	106	-	-	1,455	49
DEPARTMENT OF TRANSPORTATION, TOTAL	79,630	4,462	300	1,450	900	4,437	57,060	10,521	500
COAST GUARD	4,625	-	-	850	450	-	3,325	-	-
FEDERAL AVIATION ADMINISTRATION	19,700	-	-	-	-	-	19,700	-	-
FEDERAL HIGHWAY ADMINISTRATION	9,100	250	-	600	450	800	6,100	400	500
FEDERAL RAILROAD ADMINISTRATION	2,700	-	200	-	-	10	2,490	-	-
MARITIME ADMINISTRATION	2,900	-	-	-	-	400	2,500	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	27,400	4,212	-	-	-	3,227	10,240	9,721	-
OFFICE OF THE SECRETARY	300	-	100	-	-	-	-	200	-
RESEARCH & SPECIAL PROGRAMS ADMIN	600	-	-	-	-	-	400	200	-
URBAN MASS TRANSPORTATION ADMIN	12,305	-	-	-	-	-	12,305	-	-
DEPARTMENT OF THE TREASURY, TOTAL	13,790	-	150	1,746	-	6,605	54	5,235	-
BUREAU OF ENGRAVING AND PRINTING	1,400	-	-	1,746	-	-	54	-	-
INTERNAL REVENUE SERVICE	11,840	-	-	-	-	6,605	-	5,235	-
OFFICE OF PROTECTIVE RESEARCH	150	-	150	-	-	-	-	-	-
OTHER AGENCIES									
ADVISORY COMM ON INTERGOV'TL RELATIONS	2,151	-	-	-	-	-	-	2,151	-
AGENCY FOR INTERNAT'L DEVELOPMENT	244,806	225,635	-	-	-	1,664	4,716	2,691	10,100
CONSUMER PRODUCT SAFETY COMMISSION	539	539	-	-	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	174,074	68,750	805	15,773	34,801	4,085	36,223	11,210	2,427
FEDERAL COMMUNICATIONS COMMISSION	1,442	-	-	-	-	-	825	557	40
FEDERAL EMERGENCY MANAGEMENT AGENCY	6,200	384	19	1,581	6	1,097	1,024	2,033	54
FEDERAL HOME LOAN BANK BOARD	2,900	-	-	-	-	-	-	2,900	-
FEDERAL TRADE COMMISSION	250	-	-	-	-	-	-	250	-
GENERAL SERVICES ADMINISTRATION	40	-	-	-	-	-	40	-	-
INTERNATIONAL TRADE COMMISSION	5,520	-	-	-	-	-	-	5,520	-
LIBRARY OF CONGRESS	1,169	-	-	-	-	-	-	-	1,169
NATIONAL AERONAUTICS & SPACE ADMIN	1,088,063	40,140	1,254	46,645	117,759	38,144	773,321	-	800
NATIONAL SCIENCE FOUNDATION	78,208	13,125	164	12,670	4,291	4,345	30,175	7,217	5,621
NUCLEAR REGULATORY COMMISSION	148,415	-	-	-	-	-	148,415	-	-
TENNESSEE VALLEY AUTHORITY	8,400	2,850	-	100	900	-	4,950	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	1,075	-	-	225	90	125	150	485	-
UNITED STATES INFORMATION AGENCY	4,000	-	-	-	-	-	4,000	-	-
VETERANS ADMINISTRATION	160,000	145,126	10,274	-	-	-	4,100	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-60. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN PSYCHOLOGY AND LIFE SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				LIFE SCIENCES					
	TOTAL	BIO-LOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHO-LOGICAL SCIENCES NEC	TOTAL	BIO-LOGICAL	ENVIRON-MENTAL BIOLOGY	AGRI-CULTURAL	MEDICAL	LIFE SCIENCES NEC
TOTAL, ALL AGENCIES	147,944	31,821	71,948	44,275	2,286,595	683,686	100,967	350,973	1,048,531	102,438
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	65	-	65	-	301,349	25,091	35,526	232,178	8,554	-
AGRICULTURAL MARKETING SERVICE	-	-	-	-	1,147	-	-	1,147	-	-
AGRICULTURAL RESEARCH SERVICE	-	-	-	-	158,640	4,804	7,255	144,067	2,514	-
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	91,717	9,343	-	76,334	6,040	-
FOREST SERVICE	65	-	65	-	39,215	10,944	28,271	-	-	-
HUMAN NUTRITION INFORMATION SERVICE	-	-	-	-	7,800	-	-	7,800	-	-
OFF OF INTERNAT'L COOPERATION & DEV.	-	-	-	-	2,524	-	-	2,524	-	-
OFFICE OF TRANSPORTATION	-	-	-	-	306	-	-	306	-	-
DEPARTMENT OF COMMERCE, TOTAL	233	72	161	-	12,175	23	2,039	8,490	1,623	-
BUREAU OF THE CENSUS	161	-	161	-	-	-	-	-	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	72	72	-	-	12,175	23	2,039	8,490	1,623	-
DEPARTMENT OF DEFENSE, TOTAL	67,723	-	54,844	12,879	140,287	15,006	2,447	-	83,639	39,195
DEPARTMENT OF THE ARMY	31,763	-	31,763	-	78,317	540	899	-	76,878	-
DEPARTMENT OF THE NAVY	13,280	-	478	12,802	6,067	125	-	-	5,942	-
DEPARTMENT OF THE AIR FORCE	21,492	-	21,492	-	41,412	-	1,548	-	819	39,045
DEFENSE AGENCIES	1,188	-	1,111	77	14,491	14,341	-	-	-	150
DEPARTMENT OF EDUCATION	2,909	-	332	2,177	15,532	-	-	-	10,515	5,017
DEPARTMENT OF ENERGY	-	-	-	-	116,710	66,212	-	8,195	21,867	20,436
DEPT OF HLTH & HUMAN SERVICES, TOTAL	65,326	23,011	14,263	28,052	1,223,808	451,947	126	-	735,633	36,102
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	42,410	23,011	14,263	5,136	88,443	41,372	-	-	37,723	9,348
CENTERS FOR DISEASE CONTROL	-	-	-	-	78,164	-	-	-	78,164	-
FOOD & DRUG ADMINISTRATION	-	-	-	-	74,200	36,800	-	-	37,400	-
HEALTH RESOURCES AND SERVICES ADMINISTRATION	-	-	-	-	5,058	-	-	-	5,058	-
NATIONAL INSTITUTES OF HEALTH	22,916	-	-	22,916	977,943	373,775	126	-	577,288	26,754
DEPARTMENT OF THE INTERIOR, TOTAL	-	-	-	-	94,091	55,209	36,521	1,886	475	-
BUREAU OF LAND MANAGEMENT	-	-	-	-	1,811	-	100	1,711	-	-
BUREAU OF RECLAMATION	-	-	-	-	220	220	-	-	-	-
GEOLOGICAL SURVEY	-	-	-	-	105	-	-	105	-	-
NATIONAL PARK SERVICE	-	-	-	-	10,694	-	10,694	-	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	-	-	-	-	615	-	70	70	475	-
US FISH & WILDLIFE SERVICE	-	-	-	-	80,646	54,989	25,657	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	1,684	-	900	784	240	240	-	-	-	-
FEDERAL PRISON SYSTEM	300	-	300	-	-	-	-	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	1,384	-	600	784	240	240	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	147	-	147	-	3,603	3,329	108	-	116	50
COAST GUARD	57	-	57	-	-	-	-	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	-	-	-	-	274	-	108	-	116	50
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	-	-	-	-	3,329	3,329	-	-	-	-
OFFICE OF THE SECRETARY	90	-	90	-	-	-	-	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	292	-	-	292	-	-	-	-	-	-
OFFICE OF PROTECTIVE RESEARCH	292	-	-	292	-	-	-	-	-	-
OTHER AGENCIES										
AGENCY FOR INTERNAT'L DEVELOPMENT	-	-	-	-	138,796	12,665	464	85,277	40,390	-
CONSUMER PRODUCT SAFETY COMMISSION	-	-	-	-	320	320	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	581	581	-	-	57,728	27,522	16,116	1,553	12,537	-
FEDERAL EMERGENCY MANAGEMENT AGENCY	10	-	10	-	207	-	14	-	123	70
NATIONAL AERONAUTICS & SPACE ADMIN	1,163	19	1,061	83	46,744	9,303	-	11,226	24,647	1,568
NATIONAL SCIENCE FOUNDATION	179	118	53	-	12,873	5,499	7,106	268	-	-
TENNESSEE VALLEY AUTHORITY	-	-	-	-	2,400	-	500	1,900	-	-
VETERANS ADMINISTRATION	8,032	8,020	12	-	119,732	11,320	-	-	108,412	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-61. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN PSYCHOLOGY AND LIFE SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1984 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				LIFE SCIENCES					
	TOTAL	BIO-LOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHO-LOGICAL SCIENCES NEC	TOTAL	BIO-LOGICAL	ENVIRON-MENTAL BIOLOGY	AGRI-CULTURAL	MEDICAL	LIFE SCIENCES NEC
TOTAL, ALL AGENCIES	154,914	37,226	74,330	43,358	2,506,159	739,521	104,699	354,909	1,199,789	107,241
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	64	-	64	-	297,455	24,960	34,779	229,106	8,610	-
AGRICULTURAL MARKETING SERVICE	-	-	-	-	1,250	-	-	1,250	-	-
AGRICULTURAL RESEARCH SERVICE	-	-	-	-	152,631	4,623	6,981	138,608	2,419	-
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	94,004	9,577	-	78,236	6,191	-
FOREST SERVICE	64	-	64	-	38,558	10,760	27,798	-	-	-
HUMAN NUTRITION INFORMATION SERVICE	-	-	-	-	6,100	-	-	6,100	-	-
OFF OF INTERNAT'L COOPERATION & DEV.	-	-	-	-	4,556	-	-	4,556	-	-
OFFICE OF TRANSPORTATION	-	-	-	-	356	-	-	356	-	-
DEPARTMENT OF COMMERCE, TOTAL	232	72	160	-	11,922	-	1,989	8,490	1,443	-
BUREAU OF THE CENSUS	160	-	160	-	-	-	-	-	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	72	72	-	-	11,922	-	1,989	8,490	1,443	-
DEPARTMENT OF DEFENSE, TOTAL	64,549	-	54,427	10,122	149,959	17,825	2,746	-	89,840	39,548
DEPARTMENT OF THE ARMY	31,642	-	31,642	-	86,239	2,211	1,101	-	82,927	-
DEPARTMENT OF THE NAVY	10,122	-	-	10,122	6,083	-	-	-	6,083	-
DEPARTMENT OF THE AIR FORCE	22,785	-	22,785	-	41,753	-	1,575	-	830	39,348
DEFENSE AGENCIES	-	-	-	-	15,884	15,614	70	-	-	200
DEPARTMENT OF EDUCATION	2,816	-	-	2,816	20,817	-	-	-	13,635	7,182
DEPARTMENT OF ENERGY	-	-	-	-	129,588	64,930	-	20,884	23,849	19,925
DEPT OF HLTH & HUMAN SERVICES, TOTAL	73,047	26,695	16,860	29,492	1,347,449	499,787	140	-	808,705	38,817
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	47,757	26,695	16,860	4,202	99,452	48,231	-	-	41,939	9,282
CENTERS FOR DISEASE CONTROL	-	-	-	-	83,512	-	-	-	83,512	-
FOOD & DRUG ADMINISTRATION	-	-	-	-	79,300	38,900	-	-	40,400	-
HEALTH RESOURCES AND SERVICES ADMINISTRATION	-	-	-	-	5,500	-	-	-	5,500	-
NATIONAL INSTITUTES OF HEALTH	25,290	-	-	25,290	1,079,685	412,656	140	-	637,354	29,535
DEPARTMENT OF THE INTERIOR, TOTAL	-	-	-	-	102,817	60,770	40,138	1,909	-	-
BUREAU OF LAND MANAGEMENT	-	-	-	-	1,923	-	150	1,773	-	-
BUREAU OF RECLAMATION	-	-	-	-	285	285	-	-	-	-
GEOLOGICAL SURVEY	-	-	-	-	136	-	-	136	-	-
NATIONAL PARK SERVICE	-	-	-	-	11,000	-	11,000	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	-	-	-	-	264	-	264	-	-	-
US FISH & WILDLIFE SERVICE	-	-	-	-	89,209	60,485	28,724	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	1,782	-	1,482	300	150	150	-	-	-	-
FEDERAL PRISON SYSTEM	300	-	300	-	-	-	-	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	1,482	-	1,182	300	150	150	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	638	-	260	378	4,161	3,976	100	-	85	-
COAST GUARD	150	-	150	-	-	-	-	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	-	-	-	-	185	-	100	-	85	-
FEDERAL RAILROAD ADMINISTRATION	378	-	-	378	-	-	-	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	-	-	-	-	3,976	3,976	-	-	-	-
OFFICE OF THE SECRETARY	110	-	110	-	-	-	-	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	150	-	-	150	-	-	-	-	-	-
OFFICE OF PROTECTIVE RESEARCH	150	-	-	150	-	-	-	-	-	-
OTHER AGENCIES										
AGENCY FOR INTERNAT'L DEVELOPMENT	-	-	-	-	153,039	42,977	-	89,072	50,990	-
CONSUMER PRODUCT SAFETY COMMISSION	-	-	-	-	504	504	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	697	697	-	-	58,970	27,486	17,422	1,948	11,914	-
FEDERAL EMERGENCY MANAGEMENT AGENCY	10	-	10	-	204	-	13	-	122	69
NATIONAL AERONAUTICS & SPACE ADMIN	1,094	-	994	100	37,467	9,583	-	713	25,471	1,700
NATIONAL SCIENCE FOUNDATION	170	117	53	-	12,602	5,443	6,872	287	-	-
TENNESSEE VALLEY AUTHORITY	-	-	-	-	3,000	-	500	2,500	-	-
VETERANS ADMINISTRATION	9,665	9,645	20	-	176,055	10,930	-	-	165,125	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-62. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN PSYCHOLOGY AND LIFE SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1985 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				LIFE SCIENCES					
	TOTAL	BIO-LOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHO-LOGICAL SCIENCES NEC	TOTAL	BIO-LOGICAL	ENVIRON-MENTAL BIOLOGY	AGRI-CULTURAL	MEDICAL	LIFE SCIENCES NEC
TOTAL, ALL AGENCIES	178,544	38,468	91,914	48,162	2,526,082	741,866	103,876	421,795	1,149,319	109,226
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	60	-	60	-	292,562	23,799	33,177	227,287	8,299	-
AGRICULTURAL RESEARCH SERVICE	-	-	-	-	157,565	4,772	7,206	143,089	2,498	-
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	88,097	8,974	-	73,322	5,801	-
FOREST SERVICE	60	-	60	-	36,024	10,053	25,971	-	-	-
HUMAN NUTRITION INFORMATION SERVICE	-	-	-	-	7,500	-	-	7,500	-	-
OFF OF INTERNAT'L COOPERATION & DEV.	-	-	-	-	3,021	-	-	3,021	-	-
OFFICE OF TRANSPORTATION	-	-	-	-	355	-	-	355	-	-
DEPARTMENT OF COMMERCE, TOTAL	160	-	160	-	-	-	-	-	-	-
BUREAU OF THE CENSUS	160	-	160	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	88,662	-	73,851	14,811	148,182	17,400	3,049	-	86,279	41,054
DEPARTMENT OF THE ARMY	49,238	-	49,238	-	82,590	2,143	1,307	-	79,140	-
DEPARTMENT OF THE NAVY	15,336	-	525	14,811	6,276	-	-	-	6,276	-
DEPARTMENT OF THE AIR FORCE	24,088	-	24,088	-	43,404	-	1,712	-	863	40,829
DEFENSE AGENCIES	-	-	-	-	15,912	15,257	30	-	-	225
DEPARTMENT OF EDUCATION	2,343	-	-	2,343	17,253	-	-	-	11,220	6,033
DEPARTMENT OF ENERGY	-	-	-	-	125,134	58,503	-	23,165	22,018	21,448
DEPT OF HLTH & HUMAN SERVICES, TOTAL	73,553	27,292	16,003	30,258	1,332,253	497,368	156	-	796,168	38,561
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	48,685	27,292	16,003	5,390	104,704	52,086	-	-	43,099	9,519
CENTERS FOR DISEASE CONTROL	-	-	-	-	83,982	-	-	-	83,982	-
FOOD & DRUG ADMINISTRATION	-	-	-	-	81,000	39,500	-	-	41,500	-
HEALTH RESOURCES AND SERVICES ADMINISTRATION	-	-	-	-	900	-	-	-	900	-
NATIONAL INSTITUTES OF HEALTH	24,868	-	-	24,868	1,061,667	405,782	156	-	626,687	29,042
DEPARTMENT OF THE INTERIOR, TOTAL	-	-	-	-	109,037	66,844	40,475	1,718	-	-
BUREAU OF LAND MANAGEMENT	-	-	-	-	1,665	-	150	1,515	-	-
BUREAU OF RECLAMATION	-	-	-	-	190	190	-	-	-	-
GEOLOGICAL SURVEY	-	-	-	-	153	-	-	153	-	-
NATIONAL PARK SERVICE	-	-	-	-	11,500	-	11,500	-	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	-	-	-	-	190	70	70	50	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	-	-	-	-	31	-	31	-	-	-
US FISH & WILDLIFE SERVICE	-	-	-	-	95,308	66,584	28,724	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	800	-	500	300	150	150	-	-	-	-
FEDERAL PRISON SYSTEM	300	-	300	-	-	-	-	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	500	-	200	300	150	150	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	300	-	100	200	4,462	4,212	100	-	150	-
FEDERAL HIGHWAY ADMINISTRATION	-	-	-	-	250	-	100	-	150	-
FEDERAL RAILROAD ADMINISTRATION	200	-	-	200	-	-	-	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	-	-	-	-	4,212	4,212	-	-	-	-
OFFICE OF THE SECRETARY	100	-	100	-	-	-	-	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	150	-	-	150	-	-	-	-	-	-
OFFICE OF PROTECTIVE RESEARCH	150	-	-	150	-	-	-	-	-	-
OTHER AGENCIES										
AGENCY FOR INTERNAT'L DEVELOPMENT	-	-	-	-	225,635	11,470	-	164,640	49,525	-
CONSUMER PRODUCT SAFETY COMMISSION	-	-	-	-	539	539	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	805	805	-	-	68,750	33,478	19,263	2,249	13,760	-
FEDERAL EMERGENCY MANAGEMENT AGENCY	19	-	19	-	384	-	25	-	229	130
NATIONAL AERONAUTICS & SPACE ADMIN	1,254	-	1,154	100	40,140	10,271	-	294	27,575	2,000
NATIONAL SCIENCE FOUNDATION	164	119	45	-	13,125	5,902	6,936	287	-	-
TENNESSEE VALLEY AUTHORITY	-	-	-	-	2,850	-	695	2,155	-	-
VETERANS ADMINISTRATION	10,275	10,252	22	-	145,626	11,530	-	-	134,096	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-63. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN PHYSICAL AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PHYSICAL SCIENCES					ENVIRONMENTAL SCIENCES				
	TOTAL	ASTRONOMY	CHEMISTRY	PHYSICS	PHYSICAL SCIENCES NEC	TOTAL	ATMOSPHERIC	GEOLOGICAL	OCEANOGRAPHY	ENVIRONMENTAL SCIENCES NEC
TOTAL, ALL AGENCIES	1,304,256	2,950	258,103	999,462	143,741	671,153	288,051	155,245	147,895	79,962
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	27,619	-	25,605	2,014	-	8,541	2,909	5,632	-	-
AGRICULTURAL RESEARCH SERVICE	18,600	-	17,237	1,363	-	1,516	1,031	485	-	-
COOPERATIVE STATE RESEARCH SERVICE	6,674	-	6,674	-	-	836	836	-	-	-
FOREST SERVICE	2,345	-	1,694	651	-	6,189	1,042	5,147	-	-
DEPARTMENT OF COMMERCE, TOTAL	33,875	133	9,324	24,418	-	152,866	50,844	2,051	94,182	5,789
NATIONAL BUREAU OF STANDARDS	26,686	133	8,130	18,423	-	297	20	277	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	7,189	-	1,194	5,995	-	152,569	50,824	1,774	94,182	5,789
DEPARTMENT OF DEFENSE, TOTAL	561,991	1,133	66,260	379,741	114,857	151,685	100,961	25,784	17,039	7,903
DEPARTMENT OF THE ARMY	86,903	-	39,872	22,121	24,910	12,733	4,825	4,469	815	2,624
DEPARTMENT OF THE NAVY	135,186	1,133	12,331	105,829	15,893	19,963	5,286	-	14,677	-
DEPARTMENT OF THE AIR FORCE	54,517	-	13,716	38,327	2,474	37,742	32,985	4,757	-	-
DEFENSE AGENCIES	285,385	-	341	213,464	71,580	81,247	57,865	16,556	1,547	5,279
DEPARTMENT OF ENERGY	584,806	-	13,306	550,882	20,618	72,822	23,916	31,265	6,971	10,670
DEPT OF HLTH & HUMAN SERVICES, TOTAL	22,614	-	19,197	3,417	-	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	1,153	-	1,129	24	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	21,461	-	18,068	3,393	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	5,526	-	4,418	984	124	83,217	4,371	75,531	3,315	-
BUREAU OF LAND MANAGEMENT	-	-	-	-	-	163	-	163	-	-
BUREAU OF RECLAMATION	-	-	-	-	-	4,092	3,874	-	218	-
GEOLOGICAL SURVEY	4,700	-	3,840	860	-	77,131	-	74,034	3,097	-
NATIONAL PARK SERVICE	-	-	-	-	-	1,633	497	1,136	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	70	-	70	-	-	198	-	198	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	756	-	508	124	124	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	200	-	-	-	200	-	-	-	-	-
DRUG ENFORCEMENT ADMINISTRATION	200	-	-	-	200	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL	41	-	-	41	-	13	-	-	13	-
DEPARTMENTAL FUNDS	41	-	-	41	-	13	-	-	13	-
DEPARTMENT OF TRANSPORTATION, TOTAL	1,156	-	917	149	90	568	200	238	-	130
COAST GUARD	563	-	563	-	-	-	-	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	593	-	354	149	90	568	200	238	-	130
DEPARTMENT OF THE TREASURY, TOTAL	1,358	-	532	56	770	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING	1,358	-	532	56	770	-	-	-	-	-
OTHER AGENCIES										
ENVIRONMENTAL PROTECTION AGENCY	13,856	-	12,823	1,031	-	32,620	24,837	5,829	1,954	-
FEDERAL EMERGENCY MANAGEMENT AGENCY	847	-	10	714	123	3	-	3	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	40,401	1,645	1,684	30,388	6,684	163,730	78,845	5,906	23,551	55,428
NATIONAL SCIENCE FOUNDATION	9,410	32	3,916	5,366	96	4,126	1,168	2,046	870	42
TENNESSEE VALLEY AUTHORITY	100	-	100	-	-	962	-	962	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	456	-	9	261	179	-	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-64. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN PHYSICAL AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1984 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PHYSICAL SCIENCES					ENVIRONMENTAL SCIENCES				
	TOTAL	ASTRONOMY	CHEMISTRY	PHYSICS	PHYSICAL SCIENCES NEC	TOTAL	ATMOSPHERIC	GEOLOGICAL	OCEANOGRAPHY	ENVIRONMENTAL SCIENCES NEC
TOTAL, ALL AGENCIES	1,251,463	3,234	170,550	942,796	134,883	642,941	264,841	151,073	154,478	72,549
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	27,039	-	25,089	1,950	-	8,399	2,873	5,526	-	-
AGRICULTURAL RESEARCH SERVICE	17,894	-	16,584	1,310	-	1,458	992	466	-	-
COOPERATIVE STATE RESEARCH SERVICE	6,840	-	6,840	-	-	856	856	-	-	-
FOREST SERVICE	2,305	-	1,665	640	-	6,085	1,025	5,060	-	-
DEPARTMENT OF COMMERCE, TOTAL	33,682	150	9,056	24,476	-	160,050	53,357	2,585	101,462	2,646
NATIONAL BUREAU OF STANDARDS	25,255	150	7,256	17,853	-	305	-	305	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	7,727	-	1,104	6,623	-	159,745	53,357	2,280	101,462	2,646
OFFICE OF THE SECRETARY	696	-	696	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	471,139	1,085	74,421	293,717	101,916	104,846	65,965	19,314	14,482	5,085
DEPARTMENT OF THE ARMY	71,635	-	43,886	12,017	15,732	11,938	4,207	4,486	794	2,451
DEPARTMENT OF THE NAVY	65,998	1,085	16,277	36,459	12,177	18,224	5,633	-	12,593	-
DEPARTMENT OF THE AIR FORCE	54,980	-	13,982	38,483	2,515	39,277	34,472	4,805	-	-
DEFENSE AGENCIES	278,526	-	276	206,758	71,492	35,405	21,653	10,023	1,095	2,634
DEPARTMENT OF ENERGY	615,394	-	14,200	577,943	23,251	76,445	27,937	30,111	7,626	10,771
DEPT OF HLTH & HUMAN SERVICES, TOTAL	24,634	-	20,861	3,773	-	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	953	-	923	30	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	23,681	-	19,938	3,743	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	7,844	-	6,521	1,000	323	86,244	5,500	76,255	3,946	543
BUREAU OF LAND MANAGEMENT	-	-	-	-	-	115	-	115	-	-
BUREAU OF RECLAMATION	-	-	-	-	-	5,235	5,000	-	235	-
GEOLOGICAL SURVEY	7,000	-	6,000	1,000	-	78,721	-	75,010	3,711	-
NATIONAL PARK SERVICE	-	-	-	-	-	1,500	500	1,000	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	323	-	-	-	323	-	-	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	521	-	521	-	-	673	-	130	-	543
DEPARTMENT OF JUSTICE, TOTAL	200	-	-	-	200	-	-	-	-	-
DRUG ENFORCEMENT ADMINISTRATION	200	-	-	-	200	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL	40	-	-	40	-	22	-	-	18	4
DEPARTMENTAL FUNDS	40	-	-	40	-	22	-	-	18	4
DEPARTMENT OF TRANSPORTATION, TOTAL	1,307	-	1,057	150	100	621	150	200	171	100
COAST GUARD	707	-	707	-	-	171	-	-	171	-
FEDERAL HIGHWAY ADMINISTRATION	600	-	350	150	100	450	150	200	-	100
DEPARTMENT OF THE TREASURY, TOTAL	1,552	-	608	64	880	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING	1,552	-	608	64	880	-	-	-	-	-
OTHER AGENCIES										
ENVIRONMENTAL PROTECTION AGENCY	13,656	-	12,572	1,084	-	34,713	25,722	6,966	2,025	-
FEDERAL EMERGENCY MANAGEMENT AGENCY	841	-	10	709	122	3	-	3	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	43,194	1,800	1,791	31,953	7,650	166,636	81,939	7,544	23,803	53,350
NATIONAL SCIENCE FOUNDATION	10,256	49	4,264	5,812	131	4,157	1,398	1,869	840	50
TENNESSEE VALLEY AUTHORITY	100	-	100	-	-	700	-	700	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	585	150	-	125	310	105	-	-	105	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-65. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN PHYSICAL AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1985 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PHYSICAL SCIENCES					ENVIRONMENTAL SCIENCES				
	TOTAL	ASTRONOMY	CHEMISTRY	PHYSICS	PHYSICAL SCIENCES NEC	TOTAL	ATMOSPHERIC	GEOLOGICAL	OCEANOGRAPHY	ENVIRONMENTAL SCIENCES NEC
TOTAL, ALL AGENCIES	1,184,907	3,452	177,699	863,865	139,891	628,644	276,208	155,846	121,983	74,607
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	27,035	-	25,084	1,951	-	7,992	2,783	5,209	-	-
AGRICULTURAL RESEARCH SERVICE	18,471	-	17,118	1,353	-	1,506	1,024	482	-	-
COOPERATIVE STATE RESEARCH SERVICE	6,410	-	6,410	-	-	802	802	-	-	-
FOREST SERVICE	2,154	-	1,556	598	-	5,684	957	4,727	-	-
DEPARTMENT OF COMMERCE, TOTAL	37,802	156	10,732	26,914	-	111,639	48,073	1,615	61,951	-
NATIONAL BUREAU OF STANDARDS	30,405	156	4,367	20,882	-	315	-	315	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	7,037	-	1,005	6,032	-	111,324	48,073	1,300	61,951	-
OFFICE OF THE SECRETARY	360	-	360	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	382,196	1,178	75,742	200,006	105,270	115,424	64,269	23,148	19,926	8,081
DEPARTMENT OF THE ARMY	105,874	-	46,731	16,130	43,013	13,696	4,598	5,599	920	2,579
DEPARTMENT OF THE NAVY	71,184	1,178	13,715	38,210	18,081	26,299	6,246	-	17,931	2,122
DEPARTMENT OF THE AIR FORCE	60,492	-	15,125	42,032	3,335	47,176	41,124	6,052	-	-
DEFENSE AGENCIES	144,646	-	171	103,634	40,841	28,253	12,301	11,497	1,075	3,380
DEPARTMENT OF EDUCATION	36	-	-	-	36	-	-	-	-	-
DEPARTMENT OF ENERGY	624,999	-	18,100	584,668	22,231	82,463	33,918	30,403	7,422	10,720
DEPT OF HLTH & HUMAN SERVICES, TOTAL	25,320	-	21,610	3,710	-	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	2,033	-	2,004	29	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	23,287	-	19,606	3,681	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	7,069	-	3,862	1,000	2,207	81,673	5,886	71,609	4,112	66
BUREAU OF LAND MANAGEMENT	-	-	-	-	-	115	-	115	-	-
BUREAU OF RECLAMATION	-	-	-	-	-	5,386	5,086	-	300	-
GEOLOGICAL SURVEY	4,800	-	3,800	1,000	-	74,175	-	70,363	3,812	-
NATIONAL PARK SERVICE	-	-	-	-	-	1,500	500	1,000	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	2,207	-	-	-	2,207	420	300	120	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	62	-	62	-	-	77	-	11	-	66
DEPARTMENT OF JUSTICE, TOTAL	200	-	-	-	200	-	-	-	-	-
DRUG ENFORCEMENT ADMINISTRATION	200	-	-	-	200	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL	60	-	-	60	-	106	-	25	75	6
DEPARTMENTAL FUNDS	60	-	-	60	-	106	-	25	75	6
DEPARTMENT OF TRANSPORTATION, TOTAL	1,450	-	350	1,000	100	900	200	250	450	-
COAST GUARD	850	-	-	850	-	450	-	-	450	-
FEDERAL HIGHWAY ADMINISTRATION	600	-	350	150	100	450	200	250	-	-
DEPARTMENT OF THE TREASURY, TOTAL	1,746	-	684	72	990	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING	1,746	-	684	72	990	-	-	-	-	-
OTHER AGENCIES										
ENVIRONMENTAL PROTECTION AGENCY	15,773	-	14,521	1,252	-	34,801	27,831	4,637	2,333	-
FEDERAL EMERGENCY MANAGEMENT AGENCY	1,581	-	19	1,333	229	6	-	6	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	46,645	2,000	1,951	34,782	7,912	187,759	91,538	15,980	24,561	55,680
NATIONAL SCIENCE FOUNDATION	12,670	68	4,944	7,042	616	4,891	1,710	2,064	1,063	54
TENNESSEE VALLEY AUTHORITY	100	-	100	-	-	900	-	900	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	225	50	-	75	100	90	-	-	90	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-66. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ENGINEERING								
	TOTAL	AERO-NAUTICAL	ASTRO-NAUTICAL	CHEMICAL	CIVIL	ELEC-TRICAL	MECHAN-ICAL	METAL-LURGY AND MATERIALS	ENGI-NEERING NEC
TOTAL, ALL AGENCIES	2,827,[illegible]96	679,85[illegible]	271,135	94,592	156,039	539,124	205,673	149,632	751,449
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	34,766	-	-	2,929	2,938	193	2,803	-	25,903
AGRICULTURAL RESEARCH SERVICE	21,91[illegible]	-	-	1,822	1,505	193	784	-	17,614
COOPERATIVE STATE RESEARCH SERVICE	4,576	-	-	-	-	-	-	-	4,576
FOREST SERVICE	8,272	-	-	1,107	1,433	-	2,019	-	3,[illegible]3
DEPARTMENT OF COMMERCE, TOTAL	35,774	-	-	1,313	8,817	8,488	2,082	6,855	8,219
NATIONAL BUREAU OF STANDARDS	27,725	-	-	1,313	6,732	4,066	2,082	6,487	7,045
NAT'L OCEANIC & ATMOSPHERIC ADMIN	4,641	-	-	-	2,085	1,014	-	368	1,174
NAT'L TELECOMM & INFORMATION ADMIN	3,408	-	-	-	-	3,408	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	1,319,720	279,460	81,434	33,60[illegible]	41,383	455,923	106,598	82,569	238,745
DEPARTMENT OF THE ARMY	260,283	26,738	2,923	27,438	27,426	107,822	35,081	15,640	17,215
DEPARTMENT OF THE NAVY	326,978	33,306	-	2,594	3,212	87,824	42,147	26,577	131,318
DEPARTMENT OF THE AIR FORCE	339,882	104,343	54,401	3,068	2,975	133,200	17,250	17,832	6,823
DEFENSE AGENCIES	392,577	115,073	24,110	518	7,770	127,077	12,120	22,520	83,389
DEPARTMENT OF EDUCATION	6,370	-	-	-	-	-	-	-	6,370
DEPARTMENT OF ENERGY	367,523	-	-	38,440	35,240	25,676	70,433	18,254	179,480
DEPT OF HLTH & HUMAN SERVICES, TOTAL	15,499	-	-	-	-	-	-	-	15,499
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	55	-	-	-	-	-	-	-	55
NATIONAL INSTITUTES OF HEALTH	15,444	-	-	-	-	-	-	-	15,444
DEPT OF HOUSING & URBAN DEVELOPMENT	1,956	-	-	-	142	-	-	-	1,814
DEPARTMENT OF THE INTERIOR, TOTAL	67,802	-	-	400	8,751	638	909	22,287	34,817
BUREAU OF MINES	55,891	-	-	-	-	-	-	21,967	33,924
BUREAU OF RECLAMATION	4,282	-	-	-	3,104	281	54	-	843
GEOLOGICAL SURVEY	5,664	-	-	-	4,552	307	805	-	-
MINERAL MANAGEMENT SERVICE	1,500	-	-	400	900	50	50	50	50
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	465	-	-	-	195	-	-	270	-
DEPARTMENT OF JUSTICE, TOTAL	1,120	-	-	-	-	300	120	-	700
DRUG ENFORCEMENT ADMINISTRATION	700	-	-	-	-	-	-	-	700
IMMIGRATION & NATURALIZATION SVC	300	-	-	-	-	300	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	120	-	-	-	-	-	120	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	55,618	2,125	750	1,047	29,661	2,689	15,063	1,283	3,000
FEDERAL AVIATION ADMINISTRATION	12,500	2,125	750	-	8,060	1,565	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	4,901	-	-	632	2,459	333	894	583	-
FEDERAL RAILROAD ADMINISTRATION	2,792	-	-	-	1,036	216	840	-	700
MARITIME ADMINISTRATION	5,400	-	-	-	-	200	2,200	700	2,300
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	10,604	-	-	-	-	-	10,604	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN	1,590	-	-	415	275	375	525	-	-
URBAN MASS TRANSPORTATION ADMIN	17,831	-	-	-	17,831	-	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	42	-	-	-	-	-	42	-	-
BUREAU OF ENGRAVING AND PRINTING	42	-	-	-	-	-	42	-	-
OTHER AGENCIES									
AGENCY FOR INTERNAT'L DEVELOPMENT	7,236	-	-	-	3,046	-	-	-	4,190
ENVIRONMENTAL PROTECTION AGENCY	41,859	-	-	14,053	19,084	933	3,975	3,198	616
FEDERAL COMMUNICATIONS COMMISSION	1,020	-	-	-	-	1,020	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY	547	-	-	26	216	43	-	3[illegible]	229
GENERAL SERVICES ADMINISTRATION	235	-	-	-	191	-	-	-	44
NATIONAL AERONAUTICS & SPACE ADMIN	635,314	398,247	188,951	91	-	15,985	2,020	11,884	18,136
NATIONAL SCIENCE FOUNDATION	20,043	3	-	2,680	6,570	4,741	1,548	3,269	1,232
NUCLEAR REGULATORY COMMISSION	207,295	-	-	-	-	-	-	-	207,295
TENNESSEE VALLEY AUTHORITY	3,238	-	-	-	-	2,407	-	-	831
US ARMS CONTROL & DISARMAMENT AGENCY	276	17	-	5	-	81	80	-	93
UNITED STATES INFORMATION AGENCY	7	-	-	-	-	7	-	-	-
VETERANS ADMINISTRATION	4,236	-	-	-	-	-	-	-	4,236

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-67. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1984 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ENGINEERING								
	TOTAL	AERO-NAUTICAL	ASTRO-NAUTICAL	CHEMICAL	CIVIL	ELEC-TRICAL	MECHAN-ICAL	METAL-LURGY AND MATERIALS	ENGI-NEERING MEC
TOTAL, ALL AGENCIES	2,767,082	675,192	288,045	87,993	162,605	499,631	134,841	151,522	767,253
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	33,911	-	-	2,842	2,857	185	2,742	-	25,285
AGRICULTURAL RESEARCH SERVICE	21,086	-	-	1,753	1,448	185	756	-	16,944
COOPERATIVE STATE RESEARCH SERVICE	4,690	-	-	-	-	-	-	-	4,690
FOREST SERVICE	8,135	-	-	1,089	1,409	-	1,986	-	3,651
DEPARTMENT OF COMMERCE, TOTAL	35,763	-	-	1,410	9,009	9,406	1,939	5,276	8,722
NATIONAL BUREAU OF STANDARDS	28,423	-	-	1,410	7,203	5,046	1,939	5,276	[illegible]
NAT'L OCEANIC & ATMOSPHERIC ADMIN	4,100	-	-	-	1,806	1,120	-	-	1,174
NAT'L TELECOMM & INFORMATION ADMIN	3,240	-	-	-	-	3,240	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	1,197,801	224,990	65,187	24,675	45,341	426,166	97,995	86,896	226,551
DEPARTMENT OF THE ARMY	248,576	24,926	4,415	19,744	26,322	104,246	36,395	14,664	17,864
DEPARTMENT OF THE NAVY	303,686	34,086	-	1,873	3,902	79,064	41,419	26,960	116,382
DEPARTMENT OF THE AIR FORCE	326,677	104,030	53,682	2,903	2,814	127,402	13,483	16,935	5,428
DEFENSE AGENCIES	318,862	61,948	7,090	155	12,303	115,454	6,698	28,337	86,877
DEPARTMENT OF EDUCATION	6,910	-	-	-	-	-	-	-	6,910
DEPARTMENT OF ENERGY	357,286	-	-	40,355	37,677	29,787	8,222	19,722	221,523
DEPT OF HLTH & HUMAN SERVICES, TOTAL	17,112	-	-	-	-	-	-	-	17,112
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	68	-	-	-	-	-	-	-	68
NATIONAL INSTITUTES OF HEALTH	17,044	-	-	-	-	-	-	-	17,044
DEPT OF HOUSING & URBAN DEVELOPMENT	1,318	-	-	-	-	-	-	-	1,318
DEPARTMENT OF THE INTERIOR, TOTAL	72,870	-	-	664	10,507	623	915	20,626	39,535
BUREAU OF MINES	59,261	-	-	-	-	-	-	20,526	38,735
BUREAU OF RECLAMATION	4,196	-	-	-	3,145	256	95	-	700
GEOLOGICAL SURVEY	6,320	-	-	-	5,233	317	770	-	-
MINERAL MANAGEMENT SERVICE	1,500	-	-	400	800	50	50	100	100
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	517	-	-	-	517	-	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	1,076	-	-	264	812	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	1,200	-	-	-	-	400	200	-	600
DRUG ENFORCEMENT ADMINISTRATION	600	-	-	-	-	-	-	-	600
IMMIGRATION & NATURALIZATION SVC	400	-	-	-	-	400	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	200	-	-	-	-	-	200	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	61,518	2,835	1,323	1,086	34,154	3,655	15,619	1,500	1,346
COAST GUARD	2,123	-	-	-	2,023	-	100	-	-
FEDERAL AVIATION ADMINISTRATION	18,900	2,835	1,323	-	12,285	2,457	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	5,385	-	-	600	3,100	300	785	600	-
FEDERAL RAILROAD ADMINISTRATION	5,002	-	-	186	1,360	223	1,488	500	1,246
MARITIME ADMINISTRATION	3,900	-	-	-	-	400	3,000	400	100
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	9,866	-	-	-	-	-	9,866	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN	1,150	-	-	300	195	275	380	-	-
URBAN MASS TRANSPORTATION ADMIN	15,191	-	-	-	15,191	-	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	48	-	-	-	-	-	48	-	-
BUREAU OF ENGRAVING AND PRINTING	48	-	-	-	-	-	48	-	-
OTHER AGENCIES									
AGENCY FOR INTERNAT'L DEVELOPMENT	4,807	-	-	-	2,740	-	-	-	2,067
ENVIRONMENTAL PROTECTION AGENCY	31,820	-	-	13,625	12,225	617	3,049	2,175	129
FEDERAL COMMUNICATIONS COMMISSION	940	-	-	-	-	940	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY	545	-	-	26	215	43	-	33	228
GENERAL SERVICES ADMINISTRATION	307	-	-	-	115	-	-	-	192
NATIONAL AERONAUTICS & SPACE ADMIN	718,556	447,363	221,593	100	-	17,963	2,200	11,458	17,937
NATIONAL SCIENCE FOUNDATION	23,450	4	-	3,210	7,765	5,483	1,912	3,836	1,240
NUCLEAR REGULATORY COMMISSION	190,862	-	-	-	-	-	-	-	190,862
TENNESSEE VALLEY AUTHORITY	4,200	-	-	-	-	2,720	-	-	1,480
US ARMS CONTROL & DISARMAMENT AGENCY	385	-	-	-	-	150	-	-	235
UNITED STATES INFORMATION AGENCY	1,493	-	-	-	-	1,493	-	-	-
VETERANS ADMINISTRATION	3,980	-	-	-	-	-	-	-	3,980

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-68. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1985 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ENGINEERING								
	TOTAL	AERO-NAUTICAL	ASTRO-NAUTICAL	CHEMICAL	CIVIL	ELEC-TRICAL	MECHAN-ICAL	METAL-LURGY AND MATERIALS	ENGI-NEERING NEC
TOTAL, ALL AGENCIES	2,978,721	748,151	307,846	[illegible],009	175,920	567,069	144,996	162,209	788,521
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	32,762	-	-	2,826	2,812	191	2,636	-	25,297
AGRICULTURAL RESEARCH SERVICE	21,767	-	-	1,809	1,495	191	781	-	17,491
COOPERATIVE STATE RESEARCH SERVICE	4,395	-	-	-	-	-	-	-	4,395
FOREST SERVICE	7,600	-	-	1,017	1,317	-	1,855	-	3,411
DEPARTMENT OF COMMERCE, TOTAL	28,106	-	-	1,460	1,453	9,486	1,764	6,209	7,734
NATIONAL BUREAU OF STANDARDS	23,765	-	-	1,460	1,352	5,226	1,764	6,209	7,734
NAT'L OCEANIC & ATMOSPHERIC ADMIN	1,121	-	-	-	101	1,020	-	-	-
NAT'L TELECOMM & INFORMATION ADMIN	3,240	-	-	-	-	3,240	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	1,370,832	270,391	61,371	26,350	59,966	482,216	110,466	93,405	266,667
DEPARTMENT OF THE ARMY	294,750	32,507	-	20,642	30,039	120,522	42,058	22,070	26,912
DEPARTMENT OF THE NAVY	345,632	34,838	-	2,094	2,622	95,858	47,030	27,400	135,788
DEPARTMENT OF THE AIR FORCE	369,408	123,073	58,119	3,462	3,140	141,085	15,437	18,880	6,212
DEFENSE AGENCIES	361,042	79,973	3,252	150	24,165	124,751	5,941	25,055	97,755
DEPARTMENT OF EDUCATION	6,429	-	-	-	-	-	-	-	6,429
DEPARTMENT OF ENERGY	389,422	-	-	34,121	43,463	33,474	7,448	25,759	245,157
DEPT OF HLTH & HUMAN SERVICES, TOTAL	16,825	-	-	-	-	-	-	-	16,825
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	65	-	-	-	-	-	-	-	65
NATIONAL INSTITUTES OF HEALTH	16,760	-	-	-	-	-	-	-	16,760
DEPT OF HOUSING & URBAN DEVELOPMENT	2,287	-	-	-	-	-	-	-	2,287
DEPARTMENT OF THE INTERIOR, TOTAL	45,505	-	-	430	8,125	632	678	16,406	19,234
BUREAU OF MINES	34,300	-	-	-	-	-	-	16,156	18,144
BUREAU OF RECLAMATION	4,827	-	-	-	3,627	310	50	-	840
GEOLOGICAL SURVEY	4,300	-	-	-	3,450	272	578	-	-
MINERAL MANAGEMENT SERVICE	1,800	-	-	400	800	50	50	250	250
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	150	-	-	-	150	-	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	128	-	-	30	98	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	900	-	-	-	-	200	200	-	500
DRUG ENFORCEMENT ADMINISTRATION	500	-	-	-	-	-	-	-	500
IMMIGRATION & NATURALIZATION SVC	200	-	-	-	-	200	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	200	-	-	-	-	-	200	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	57,060	2,955	1,379	750	31,635	4,741	12,900	1,000	1,700
COAST GUARD	3,325	-	-	-	1,825	1,500	-	-	-
FEDERAL AVIATION ADMINISTRATION	19,700	2,955	1,379	-	12,805	2,561	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	6,100	-	-	600	3,650	300	950	600	-
FEDERAL RAILROAD ADMINISTRATION	2,490	-	-	50	1,050	80	410	300	600
MARITIME ADMINISTRATION	2,500	-	-	-	-	300	1,000	100	1,100
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	10,244	-	-	-	-	-	10,240	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN	400	-	-	100	-	-	300	-	-
URBAN MASS TRANSPORTATION ADMIN	12,305	-	-	-	12,305	-	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	54	-	-	-	-	-	54	-	-
BUREAU OF ENGRAVING AND PRINTING	54	-	-	-	-	-	54	-	-
OTHER AGENCIES									
AGENCY FOR INTERNAT'L DEVELOPMENT	4,716	-	-	-	2,998	-	-	-	1,718
ENVIRONMENTAL PROTECTION AGENCY	36,223	-	-	13,782	15,146	713	3,521	2,512	149
FEDERAL COMMUNICATIONS COMMISSION	825	-	-	-	-	825	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY	1,024	-	-	50	403	81	-	62	428
GENERAL SERVICES ADMINISTRATION	40	-	-	-	40	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	773,321	474,800	245,096	100	-	19,915	2,300	11,950	19,160
NATIONAL SCIENCE FOUNDATION	30,175	5	-	4,140	9,479	7,195	3,029	4,906	1,421
NUCLEAR REGULATORY COMMISSION	168,415	-	-	-	-	-	-	-	168,415
TENNESSEE VALLEY AUTHORITY	4,550	-	-	-	-	3,350	-	-	1,200
US ARMS CONTROL & DISARMAMENT AGENCY	150	-	-	-	-	50	-	-	100
UNITED STATES INFORMATION AGENCY	4,000	-	-	-	-	4,000	-	-	-
VETERANS ADMINISTRATION	4,100	-	-	-	-	-	-	-	4,100

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-69. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHEMATICS	COMPUTER SCIENCES	MATHEMATICS AND COMPUTER SCIENCES NEC	TOTAL	ANTHROPOLOGY	ECONOMICS	POLITICAL SCIENCE	SOCIOLOGY	SOCIAL SCIENCES NEC
TOTAL, ALL AGENCIES	211,287	32,605	124,11	54,568	297,545	1,624	124,369	6,551	35,043	129,758
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	9,073	9,073	-	-	74,126	-	69,790	235	3,370	731
AGRICULTURAL COOPERATIVE SERVICE	-	-	-	-	2,145	-	2,145	-	-	-
AGRICULTURAL RESEARCH SERVICE	902	902	-	-	1,024	-	603	-	4	417
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	29,675	-	28,105	-	1,570	-
ECONOMIC RESEARCH SERVICE	-	-	-	-	34,899	-	33,922	105	558	314
FOREST SERVICE	2,671	2,671	-	-	6,383	-	5,015	130	1,238	-
HUMAN NUTRITION INFORMATION SERVICE	400	400	-	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE	5,100	5,100	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	11,302	5,648	3,711	1,943	7,635	-	6,178	1,076	219	162
BUREAU OF THE CENSUS	1,228	1,025	203	-	482	-	263	-	219	-
ECONOMIC DEVELOPMENT ADMINISTRATION	-	-	-	-	4,773	-	4,773	-	-	-
NATIONAL BUREAU OF STANDARDS	8,207	4,123	2,141	1,943	176	-	176	-	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	1,544	500	1,044	-	2,204	-	966	1,076	-	162
NAT'L TELECOMM & INFORMATION ADMIN	323	-	323	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	120,190	6,319	69,046	44,825	3,939	-	1,742	1,106	322	769
DEPARTMENT OF THE ARMY	7,569	1,261	5,811	497	2,064	-	1,742	-	322	-
DEPARTMENT OF THE NAVY	20,126	-	12,456	7,670	-	-	-	-	-	-
DEPARTMENT OF THE AIR FORCE	28,307	3,618	21,714	2,975	-	-	-	-	-	-
DEFENSE AGENCIES	64,188	1,440	29,065	33,683	1,875	-	-	1,106	-	769
DEPARTMENT OF EDUCATION	-	-	-	-	37,474	-	-	-	709	36,765
DEPARTMENT OF ENERGY	8,344	-	4,500	3,844	5,941	-	-	-	-	5,941
DEPT OF HLTH & HUMAN SERVICES, TOTAL	5,653	5,459	194	-	96,425	301	10,862	941	19,380	64,941
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	288	94	194	-	20,639	301	31	941	15,770	3,596
HEALTH CARE FINANCING ADMIN	-	-	-	-	30,208	-	-	-	-	30,208
HUMAN DEVELOPMENT SERVICES	-	-	-	-	6,871	-	-	-	-	6,871
NATIONAL INSTITUTES OF HEALTH	5,365	5,365	-	-	13,488	-	-	-	-	13,488
OFFICE OF THE SECRETARY	-	-	-	-	14,441	-	10,831	-	3,610	-
SOCIAL SECURITY ADMINISTRATION	-	-	-	-	10,778	-	-	-	-	10,778
DEPT OF HOUSING & URBAN DEVELOPMENT	-	-	-	-	9,303	-	2,678	238	-	6,387
DEPARTMENT OF THE INTERIOR, TOTAL	2,395	312	2,083	-	1,601	950	15	70	566	-
BUREAU OF RECLAMATION	-	-	-	-	112	-	15	-	97	-
GEOLOGICAL SURVEY	2,335	312	2,023	-	-	-	-	-	-	-
NATIONAL PARK SERVICE	-	-	-	-	1,419	950	-	-	469	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	60	-	60	-	70	-	-	70	-	-
DEPARTMENT OF JUSTICE, TOTAL	-	-	-	-	13,816	200	450	1,140	2,378	9,648
FEDERAL PRISON SYSTEM	-	-	-	-	990	-	-	640	250	100
OFF OF JUSTICE ASSIST, RSCH, & STAT	-	-	-	-	12,626	200	450	500	2,128	9,348
OFFICE OF LEGAL POLICY	-	-	-	-	200	-	-	-	-	200
DEPARTMENT OF LABOR, TOTAL	-	-	-	-	12,680	-	12,680	-	-	-
BUREAU OF LABOR STATISTICS	-	-	-	-	665	-	665	-	-	-
EMPLOYMENT STANDARDS ADMINISTRATION	-	-	-	-	1,400	-	1,400	-	-	-
EMPLOYMENT AND TRAINING ADMIN	-	-	-	-	2,644	-	2,644	-	-	-
LABOR-MANAGEMENT SERVICES ADMIN	-	-	-	-	882	-	882	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	-	-	-	-	5,264	-	5,264	-	-	-
OFFICE OF THE SECRETARY	-	-	-	-	1,525	-	1,525	-	-	-
PENSION BENEFIT GUARANTEE CORPORATION	-	-	-	-	300	-	300	-	-	-

CONTINUED ON NEXT PAGE

TABLE C-69. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHEMATICS	COMPUTER SCIENCES	MATHEMATICS AND COMPUTER SCIENCES NEC	TOTAL	ANTHROPOLOGY	ECONOMICS	POLITICAL SCIENCE	SOCIOLOGY	SOCIAL SCIENCES NEC
DEPARTMENT OF STATE, TOTAL	-		-	-	1,416	-	120	-	-	1,296
DEPARTMENTAL FUNDS	-	-	-	-	1,416	-	120	-	-	1,296
DEPARTMENT OF TRANSPORTATION, TOTAL	2,914	-	784	2,130	7,590	-	3,123	-	4,422	45
COAST GUARD	-	-	-	-	145	-	-	-	100	45
FEDERAL HIGHWAY ADMINISTRATION	491	-	476	15	373	-	373	-	-	-
FEDERAL RAILROAD ADMINISTRATION	8	-	8	-	-	-	-	-	-	-
MARITIME ADMINISTRATION	300	-	300	-	-	-	-	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	2,115	-	-	2,115	5,352	-	1,900	-	3,452	-
OFFICE OF THE SECRETARY	-	-	-	-	210	-	210	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN	-	-	-	-	1,010	-	640	-	370	-
URBAN MASS TRANSPORTATION ADMIN	-	-	-	-	500	-	-	-	500	-
DEPARTMENT OF THE TREASURY, TOTAL	2,846	1,740	1,106	-	2,139	-	2,139	-	-	-
INTERNAL REVENUE SERVICE	2,846	1,740	1,106	-	2,139	-	2,139	-	-	-
OTHER AGENCIES										
ADVISORY COMM ON INTERGOV'TL RELATIONS	-	-	-	-	2,110	-	1,055	1,055	-	-
AGENCY FOR INTERNAT'L DEVELOPMENT	1,944	-	1,944	-	4,470	-	1,196	-	2,957	317
APPALACHIAN REGIONAL COMMISSION	-	-	-	-	247	-	247	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	3,766	194	3,572	-	352	-	352	-	-	-
FEDERAL COMMUNICATIONS COMMISSION	-	-	-	-	297	-	222	-	-	75
FEDERAL EMERGENCY MANAGEMENT AGENCY	587	123	182	282	1,088	-	873	53	56	106
FEDERAL HOME LOAN BANK BOARD	-	-	-	-	3,038	-	3,038	-	-	-
FEDERAL TRADE COMMISSION	-	-	-	-	205	-	205	-	-	-
INTERNATIONAL TRADE COMMISSION	-	-	-	-	4,672	-	4,672	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	39,740	3,197	34,999	1,544	-	-	-	-	-	-
NATIONAL SCIENCE FOUNDATION	2,533	540	1,993	-	6,874	173	2,932	535	664	2,570
US ARMS CONTROL & DISARMAMENT AGENCY	-	-	-	-	107	-	-	102	-	5

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-70. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1984 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHEMATICS	COMPUTER SCIENCES	MATHEMATICS AND COMPUTER SCIENCES NEC	TOTAL	ANTHROPOLOGY	ECONOMICS	POLITICAL SCIENCE	SOCIOLOGY	SOCIAL SCIENCES NEC
TOTAL, ALL AGENCIES	218,004	34,695	123,117	60,192	331,462	1,732	136,374	6,066	39,487	147,803
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	8,994	8,994	-	-	79,732	-	[illegible]	248	3,469	759
AGRICULTURAL COOPERATIVE SERVICE	-	-	-	-	2,180	-	2,180	-	-	-
AGRICULTURAL RESEARCH SERVICE	868	868	-	-	963	-	559	-	4	400
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	30,416	-	28,806	-	1,610	-
ECONOMIC RESEARCH SERVICE	-	-	-	-	39,896	-	37,779	120	638	359
FOREST SERVICE	2,626	2,626	-	-	6,277	-	4,932	128	1,217	-
STATISTICAL REPORTING SERVICE	5,500	5,500	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	12,130	6,972	3,209	1,949	7,525	-	6,115	1,030	218	162
BUREAU OF THE CENSUS	1,221	1,019	202	-	480	-	262	-	218	-
ECONOMIC DEVELOPMENT ADMINISTRATION	-	-	-	-	4,773	-	4,773	-	-	-
NATIONAL BUREAU OF STANDARDS	8,921	5,401	1,571	1,949	199	-	199	-	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	1,639	552	1,087	-	2,073	-	881	1,030	-	162
NAT'L TELECOMM & INFORMATION ADMIN	349	-	349	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	118,601	5,312	61,925	51,564	2,336	-	647	1,365	324	-
DEPARTMENT OF THE ARMY	7,475	616	6,723	136	971	-	647	-	324	-
DEPARTMENT OF THE NAVY	21,865	-	14,298	7,567	-	-	-	-	-	-
DEPARTMENT OF THE AIR FORCE	28,224	2,835	21,339	3,050	-	-	-	-	-	-
DEFENSE AGENCIES	61,037	1,861	19,565	40,811	1,365	-	-	1,365	-	-
DEPARTMENT OF EDUCATION	-	-	-	-	44,472	-	200	-	851	43,421
DEPARTMENT OF ENERGY	9,471	-	5,600	3,871	5,978	-	-	-	-	5,978
DEPT OF HLTH & HUMAN SERVICES, TOTAL	6,245	6,030	215	-	105,310	369	7,162	1,147	22,575	74,057
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	328	113	215	-	26,864	369	37	1,147	19,750	5,561
HEALTH CARE FINANCING ADMIN	-	-	-	-	31,000	-	-	-	-	31,000
HUMAN DEVELOPMENT SERVICES	-	-	-	-	5,457	-	-	-	-	5,457
NATIONAL INSTITUTES OF HEALTH	5,917	5,917	-	-	14,883	-	-	-	-	14,883
OFFICE OF THE SECRETARY	-	-	-	-	9,500	-	7,125	-	2,375	-
SOCIAL SECURITY ADMINISTRATION	-	-	-	-	17,606	-	-	-	450	17,156
DEPT OF HOUSING & URBAN DEVELOPMENT	-	-	-	-	9,169	-	829	-	-	8,340
DEPARTMENT OF THE INTERIOR, TOTAL	4,394	807	3,587	-	2,116	1,000	566	-	550	-
BUREAU OF RECLAMATION	-	-	-	-	65	-	15	-	50	-
GEOLOGICAL SURVEY	4,168	581	3,587	-	-	-	-	-	-	-
NATIONAL PARK SERVICE	-	-	-	-	1,500	1,000	-	-	500	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	-	-	-	-	130	-	130	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	226	226	-	-	421	-	421	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	-	-	-	-	15,279	200	500	400	3,935	10,344
FEDERAL PRISON SYSTEM	-	-	-	-	900	-	-	-	800	100
OFF OF JUSTICE ASSIST, RSCH, & STAT	-	-	-	-	14,079	200	500	400	3,135	9,844
OFFICE OF LEGAL POLICY	-	-	-	-	400	-	-	-	-	400
DEPARTMENT OF LABOR, TOTAL	-	-	-	-	12,967	-	12,967	-	-	-
BUREAU OF LABOR STATISTICS	-	-	-	-	547	-	547	-	-	-
EMPLOYMENT STANDARDS ADMINISTRATION	-	-	-	-	935	-	935	-	-	-
EMPLOYMENT AND TRAINING ADMIN	-	-	-	-	2,484	-	2,484	-	-	-
LABOR-MANAGEMENT SERVICES ADMIN	-	-	-	-	1,926	-	1,926	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	-	-	-	-	5,075	-	5,075	-	-	-
OFFICE OF THE SECRETARY	-	-	-	-	1,700	-	1,700	-	-	-
PENSION BENEFIT GUARANTEE CORPORATION	-	-	-	-	300	-	300	-	-	-

CONTINUED ON NEXT PAGE

TABLE C-70. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1984 (ESTIMATED)

(THOUSANDS OF DOLLARS)

– CONTINUED

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHEMATICS	COMPUTER SCIENCES	MATHEMATICS AND COMPUTER SCIENCES NEC	TOTAL	ANTHROPOLOGY	ECONOMICS	POLITICAL SCIENCE	SOCIOLOGY	SOCIAL SCIENCES NEC
DEPARTMENT OF STATE, TOTAL	–	–	–	–	1,468	–	125	–	–	1,343
DEPARTMENTAL FUNDS	–	–	–	–	1,468	–	125	–	–	1,343
DEPARTMENT OF TRANSPORTATION, TOTAL	2,996	–	619	2,377	10,369	–	5,684	–	4,585	100
COAST GUARD	–	–	–	–	148	–	–	–	148	–
FEDERAL HIGHWAY ADMINISTRATION	450	–	400	50	450	–	350	–	–	100
FEDERAL RAILROAD ADMINISTRATION	19	–	19	–	–	–	–	–	–	–
MARITIME ADMINISTRATION	200	–	200	–	–	–	–	–	–	–
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	2,327	–	–	2,327	8,531	–	4,619	–	3,912	–
OFFICE OF THE SECRETARY	–	–	–	–	190	–	190	–	–	–
RESEARCH & SPECIAL PROGRAMS ADMIN	–	–	–	–	650	–	525	–	125	–
URBAN MASS TRANSPORTATION ADMIN	–	–	–	–	400	–	–	–	400	–
DEPARTMENT OF THE TREASURY, TOTAL	2,382	1,744	638	–	2,509	–	1,939	–	–	570
INTERNAL REVENUE SERVICE	2,382	1,744	638	–	2,509	–	1,939	–	–	570
OTHER AGENCIES										
ADVISORY COMM ON INTERGOV'TL RELATIONS	–	–	–	–	2,064	–	1,032	1,032	–	–
AGENCY FOR INTERNAT'L DEVELOPMENT	1,407	–	1,407	–	3,272	–	470	–	2,307	495
APPALACHIAN REGIONAL COMMISSION	–	–	–	–	350	–	350	–	–	–
ENVIRONMENTAL PROTECTION AGENCY	3,537	131	3,406	–	9,706	–	9,706	–	–	–
FEDERAL COMMUNICATIONS COMMISSION	–	–	–	–	529	–	375	–	–	154
FEDERAL EMERGENCY MANAGEMENT AGENCY	584	122	181	281	1,083	–	868	53	56	106
FEDERAL HOME LOAN BANK BOARD	–	–	–	–	2,970	–	2,970	–	–	–
FEDERAL TRADE COMMISSION	–	–	–	–	234	–	234	–	–	–
INTERNATIONAL TRADE COMMISSION	–	–	–	–	4,584	–	4,584	–	–	–
NATIONAL AERONAUTICS & SPACE ADMIN	44,284	4,100	40,084	100	–	–	–	–	–	–
NATIONAL SCIENCE FOUNDATION	2,929	683	2,246	–	7,000	163	3,795	496	617	1,929
US ARMS CONTROL & DISARMAMENT AGENCY	50	–	–	50	340	–	–	295	–	45

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-71. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1985 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHEMATICS	COMPUTER SCIENCES	MATHEMATICS AND COMPUTER SCIENCES NEC	TOTAL	ANTHROPOLOGY	ECONOMICS	POLITICAL SCIENCE	SOCIOLOGY	SOCIAL SCIENCES NEC
TOTAL, ALL AGENCIES	287,048	35,774	128,916	122,358	314,555	1,745	137,271	6,316	34,039	135,184
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	9,049	9,049	-	-	79,523	-	75,142	248	3,333	798
AGRICULTURAL COOPERATIVE SERVICE	-	-	-	-	1,426	-	1,426	-	-	-
AGRICULTURAL RESEARCH SERVICE	896	896	-	-	995	-	578	-	4	413
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	28,503	-	26,995	-	1,508	-
ECONOMIC RESEARCH SERVICE	-	-	-	-	42,732	-	41,535	128	684	385
FOREST SERVICE	2,453	2,453	-	-	5,865	-	4,608	120	1,137	-
STATISTICAL REPORTING SERVICE	5,700	5,700	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	12,552	6,935	3,598	2,019	738	-	468	-	270	-
BUREAU OF THE CENSUS	1,649	1,019	630	-	480	-	262	-	218	-
NATIONAL BUREAU OF STANDARDS	9,060	5,413	1,628	2,019	206	-	206	-	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	1,493	503	990	-	52	-	-	-	52	-
NAT'L TELECOMM & INFORMATION ADMIN	350	-	350	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	186,184	8,363	65,063	112,758	3,017	-	1,011	2,300	506	-
DEPARTMENT OF THE ARMY	10,835	1,469	7,847	1,519	1,517	-	1,011	-	506	-
DEPARTMENT OF THE NAVY	24,989	-	16,566	8,423	-	-	-	-	-	-
DEPARTMENT OF THE AIR FORCE	31,860	4,380	23,562	3,918	-	-	-	-	-	-
DEFENSE AGENCIES	118,500	2,514	17,088	98,898	2,300	-	-	2,300	-	-
DEPARTMENT OF EDUCATION	36	-	-	36	36,811	-	200	-	783	35,828
DEPARTMENT OF ENERGY	8,966	-	5,600	3,366	5,194	-	-	-	-	5,194
DEPT OF HLTH & HUMAN SERVICES, TOTAL	6,139	5,928	211	-	101,625	381	5,663	1,109	20,663	73,809
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	321	110	211	-	24,746	381	38	1,109	18,288	4,930
HEALTH CARE FINANCING ADMIN	-	-	-	-	35,000	-	-	-	-	35,000
HUMAN DEVELOPMENT SERVICES	-	-	-	-	3,016	-	-	-	-	3,016
NATIONAL INSTITUTES OF HEALTH	5,818	5,818	-	-	14,635	-	-	-	-	14,635
OFFICE OF THE SECRETARY	-	-	-	-	7,500	-	5,625	-	1,875	-
SOCIAL SECURITY ADMINISTRATION	-	-	-	-	16,728	-	-	-	500	16,228
DEPT OF HOUSING & URBAN DEVELOPMENT	-	-	-	-	8,820	-	1,031	-	-	7,789
DEPARTMENT OF THE INTERIOR, TOTAL	3,620	432	3,188	-	1,597	1,000	72	-	525	-
BUREAU OF RECLAMATION	-	-	-	-	45	-	30	-	25	-
GEOLOGICAL SURVEY	3,592	404	3,188	-	-	-	-	-	-	-
NATIONAL PARK SERVICE	-	-	-	-	1,500	1,000	-	-	500	-
OFFICE OF WATER RSCH & TECHNOLOGY	28	28	-	-	52	-	52	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	-	-	-	-	10,328	200	400	500	2,700	6,528
FEDERAL PRISON SYSTEM	-	-	-	-	800	-	-	-	700	100
OFF OF JUSTICE ASSIST, RSCH, & STAT	-	-	-	-	9,428	200	400	500	2,000	6,328
OFFICE OF LEGAL POLICY	-	-	-	-	100	-	-	-	-	100
DEPARTMENT OF LABOR, TOTAL	-	-	-	-	13,879	-	13,879	-	-	-
BUREAU OF LABOR STATISTICS	-	-	-	-	621	-	621	-	-	-
EMPLOYMENT STANDARDS ADMINISTRATION	-	-	-	-	963	-	963	-	-	-
EMPLOYMENT AND TRAINING ADMIN	-	-	-	-	2,498	-	2,498	-	-	-
LABOR-MANAGEMENT SERVICES ADMIN	-	-	-	-	2,522	-	2,522	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN	-	-	-	-	5,075	-	5,075	-	-	-
OFFICE OF THE SECRETARY	-	-	-	-	1,800	-	1,800	-	-	-
PENSION BENEFIT GUARANTEE CORPORATION	-	-	-	-	400	-	400	-	-	-

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TABLE C-71. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1985 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHEMATICS	COMPUTER SCIENCES	MATHEMATICS AND COMPUTER SCIENCES NEC	TOTAL	ANTHROPOLOGY	ECONOMICS	POLITICAL SCIENCE	SOCIOLOGY	SOCIAL SCIENCES NEC
DEPARTMENT OF STATE, TOTAL	-	-	-	-	1,455	-	120	-	-	1,335
DEPARTMENTAL FUNDS	-	-	-	-	1,455	-	120	-	-	1,335
DEPARTMENT OF TRANSPORTATION, TOTAL	4,437	-	1,110	3,327	10,521	-	7,595	-	2,826	100
FEDERAL HIGHWAY ADMINISTRATION	800	-	700	100	400	-	300	-	-	100
FEDERAL RAILROAD ADMINISTRATION	10	-	10	-	-	-	-	-	-	-
MARITIME ADMINISTRATION	400	-	400	-	-	-	-	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	3,227	-	-	3,227	9,721	-	6,895	-	2,926	-
OFFICE OF THE SECRETARY	-	-	-	-	200	-	200	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN	-	-	-	-	200	-	200	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	6,605	3,803	2,802	-	5,235	-	4,275	-	-	960
INTERNAL REVENUE SERVICE	6,605	3,803	2,802	-	5,235	-	4,275	-	-	960
OTHER AGENCIES										
ADVISORY COMM ON INTERGOV'TL RELATIONS	-	-	-	-	2,151	-	1,076	1,075	-	-
AGENCY FOR INTERNAT'L DEVELOPMENT	1,664	-	1,664	-	2,691	-	633	-	1,715	343
ENVIRONMENTAL PROTECTION AGENCY	4,085	151	3,934	-	11,210	-	11,210	-	-	-
FEDERAL COMMUNICATIONS COMMISSION	-	-	-	-	557	-	458	-	-	99
FEDERAL EMERGENCY MANAGEMENT AGENCY	1,097	229	341	527	2,033	-	1,631	99	105	198
FEDERAL HOME LOAN BANK BOARD	-	-	-	-	2,900	-	2,900	-	-	-
FEDERAL TRADE COMMISSION	-	-	-	-	250	-	250	-	-	-
INTERNATIONAL TRADE COMMISSION	-	-	-	-	5,520	-	5,520	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	38,144	100	37,844	200	-	-	-	-	-	-
NATIONAL SCIENCE FOUNDATION	4,345	784	3,561	-	7,217	164	3,937	500	613	2,003
US ARMS CONTROL & DISARMAMENT AGENCY	125	-	-	125	485	-	-	485	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-72. FEDERAL OBLIGATIONS FOR DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL							
			UNITED STATES AND TERRITORIES							FOREIGN
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS	STATE AND LOCAL GOVTS	
TOTAL, ALL AGENCIES	24,458,012	5,871,660	14,995,149	978,544	498,494	1,054,204	404,659	496,120	49,273	109,909
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	30,047	27,267	-	-	2,130	-	82	-	85	483
AGRICULTURAL MARKETING SERVICE	269	269	-	-	-	-	-	-	-	-
AGRICULTURAL RESEARCH SERVICE	25,500	23,222	-	-	2,130	-	82	-	85	148
FOREST SERVICE	3,772	3,772	-	-	-	-	-	-	-	-
OFF OF INTERNAT'L COOPERATION & DEV	421	86	-	-	-	-	-	-	-	335
OFFICE OF TRANSPORTATION	85	85	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	50,151	37,160	10,125	-	2,858	-	-	-	-	8
BUREAU OF THE CENSUS	2,108	2,108	-	-	-	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	13,577	12,666	879	-	32	-	-	-	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	33,106	21,027	9,246	-	2,826	-	-	-	-	-
NAT'L TELECOMM & INFORMATION ADMIN	1,351	1,351	-	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	9	1	-	-	-	-	-	-	-	8
DEPARTMENT OF DEFENSE, TOTAL	19,770,140	5,139,153	13,331,953	41,251	251,763	306,445	204,350	450,736	18	44,271
DEPARTMENT OF THE ARMY	3,304,474	1,236,644	1,943,021	11,854	14,748	65,201	16,794	13,501	18	3,293
DEPARTMENT OF THE NAVY	5,241,206	1,626,246	3,404,095	29,397	57,550	21,688	63,735	3,128	-	35,317
DEPARTMENT OF THE AIR FORCE	10,124,216	1,768,618	7,432,621	-	172,774	219,456	119,096	405,890	-	5,661
DEFENSE AGENCIES	1,038,662	453,491	551,798	-	4,836	-	4,725	23,805	-	-
DIRECTOR OF TEST & EVALUATION, DEFENSE	61,582	54,897	418	-	1,855	-	-	4,412	-	-
DEPARTMENT OF EDUCATION	35,614	4,091	1,766	-	18,875	-	10,281	-	601	-
DEPARTMENT OF ENERGY	2,575,555	131,079	802,950	934,198	23,596	613,025	22,503	45,356	72	2,826
DEPT OF HLTH & HUMAN SERVICES, TOTAL	331,684	67,371	26,541	3,007	147,565	4,407	70,829	-	10,122	1,842
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	1,841	1,411	-	-	-	-	430	-	-	-
HEALTH RESOURCES AND SERVICES ADMINISTRATION	2,253	243	-	-	970	-	926	-	114	-
HUMAN DEVELOPMENT SERVICES	16,573	1,646	3,536	-	1,330	-	5,667	-	4,394	-
NATIONAL INSTITUTES OF HEALTH	311,017	64,071	23,005	3,007	145,265	4,407	63,806	-	5,614	1,842
DEPT OF HOUSING & URBAN DEVELOPMENT	20,831	17,682	994	-	1,233	-	654	-	268	-
DEPARTMENT OF THE INTERIOR, TOTAL	24,765	19,044	4,709	-	1,012	-	-	-	-	-
BUREAU OF LAND MANAGEMENT	1,877	1,577	-	-	300	-	-	-	-	-
BUREAU OF MINES	9,163	5,888	3,275	-	-	-	-	-	-	-
BUREAU OF RECLAMATION	1,170	458	-	-	712	-	-	-	-	-
GEOLOGICAL SURVEY	2,348	1,489	859	-	-	-	-	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	1,007	432	575	-	-	-	-	-	-	-
US FISH & WILDLIFE SERVICE	9,200	9,200	-	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	10,676	1,886	6,866	-	681	-	1,243	-	-	-
DRUG ENFORCEMENT ADMINISTRATION	1,600	300	1,300	-	-	-	-	-	-	-
FEDERAL BUREAU OF INVESTIGATION	2,543	275	2,268	-	-	-	-	-	-	-
FEDERAL PRISON SYSTEM	400	370	-	-	30	-	-	-	-	-
IMMIGRATION & NATURALIZATION SVC	289	40	249	-	-	-	-	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	5,794	900	3,001	-	650	-	1,243	-	-	-
OFFICE OF LEGAL POLICY	50	1	48	-	1	-	-	-	-	-
DEPARTMENT OF LABOR, TOTAL	1,934	237	997	-	-	-	700	-	-	-
EMPLOYMENT AND TRAINING ADMIN	1,134	200	234	-	-	-	700	-	-	-
PENSION BENEFIT GUARANTEE CORPORATION	800	37	763	-	-	-	-	-	-	-

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TABLE C-72. FEDERAL OBLIGATIONS FOR DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL, UNITED STATES AND TERRITORIES							FOREIGN
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS	STATE AND LOCAL GOVTS	
DEPARTMENT OF TRANSPORTATION, TOTAL .	275,132	57,944	141,102	88	14,733	6,264	20,263	-	34,738	-
COAST GUARD	18,390	10,952	7,167	-	27	200	-	-	44	-
FEDERAL AVIATION ADMINISTRATION	112,700	27,288	67,616	-	636	5,867	12,293	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	43,100	1,551	10,157	88	2,448	62	3,331	-	24,463	-
FEDERAL RAILROAD ADMINISTRATION	13,700	3,049	10,271	-	-	-	380	-	-	-
MARITIME ADMINISTRATION	8,800	430	7,736	-	400	135	-	-	99	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	30,600	1,360	20,137	-	2,288	-	2,265	-	4,550	-
OFFICE OF THE SECRETARY	4,614	2,844	1,770	-	-	-	-	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN	3,600	1,300	400	-	1,900	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN	38,628	9,170	15,848	-	6,034	-	1,994	-	5,582	-
DEPARTMENT OF THE TREASURY, TOTAL	5,397	606	4,751	-	-	40	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING	1,916	420	1,496	-	-	-	-	-	-	-
INTERNAL REVENUE SERVICE	139	106	33	-	-	-	-	-	-	-
OFFICE OF PROTECTIVE RESEARCH	45	5	-	-	-	40	-	-	-	-
UNITED STATES CUSTOMS SERVICE	3,297	75	3,222	-	-	-	-	-	-	-
OTHER AGENCIES										
AGENCY FOR INTERNAT'L DEVELOPMENT	70,593	9,494	4,250	-	8,706	-	12,376	-	-	35,767
CONSUMER PRODUCT SAFETY COMMISSION	213	213	-	-	-	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	66,112	23,543	31,871	-	5,066	254	2,729	-	2,649	-
GENERAL SERVICES ADMINISTRATION	253	253	-	-	-	-	-	-	-	-
LIBRARY OF CONGRESS	6,020	5,469	551	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN	1,116,759	281,495	625,595	-	19,676	123,769	40,764	28	720	24,712
TENNESSEE VALLEY AUTHORITY	50,700	32,815	-	-	-	-	17,885	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	136	8	128	-	-	-	-	-	-	-
VETERANS ADMINISTRATION	15,300	14,700	-	-	600	-	-	-	-	-

1/ INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-73. FEDERAL OBLIGATIONS FOR DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1984 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL							
			UNITED STATES AND TERRITORIES							FOREIGN
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS	STATE AND LOCAL GOVTS	
TOTAL, ALL AGENCIES	29,727,476	7,305,711	18,444,402	1,125,617	560,777	1,009,364	610,589	546,912	58,023	66,081
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	29,906	26,829	-	-	2,083	-	83	-	86	825
AGRICULTURAL MARKETING SERVICE	293	293	-	-	-	-	-	-	-	-
AGRICULTURAL RESEARCH SERVICE	25,500	23,088	-	-	2,083	-	83	-	86	160
FOREST SERVICE	3,255	3,255	-	-	-	-	-	-	-	-
OFF OF INTERNAT'L COOPERATION & DEV	759	94	-	-	-	-	-	-	-	665
OFFICE OF TRANSPORTATION	99	99	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	66,855	37,641	26,118	-	2,899	-	-	-	-	197
BUREAU OF THE CENSUS	2,129	2,129	-	-	-	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	13,693	12,813	880	-	-	-	-	-	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	49,766	21,629	25,238	-	2,899	-	-	-	-	-
NAT'L TELECOMM & INFORMATION ADMIN	1,060	1,060	-	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY	207	10	-	-	-	-	-	-	-	197
DEPARTMENT OF DEFENSE, TOTAL	24,555,271	6,518,959	16,612,565	57,978	273,605	208,741	380,747	492,603	19	10,063
DEPARTMENT OF THE ARMY	3,802,110	1,393,421	2,224,653	1,895	18,738	104,626	36,013	20,091	19	2,654
DEPARTMENT OF THE NAVY	6,791,424	1,840,194	4,570,245	56,083	58,509	6,462	233,004	22,886	-	4,041
DEPARTMENT OF THE AIR FORCE	12,054,428	2,410,359	8,849,156	-	192,871	90,271	101,540	407,999	-	2,632
DEFENSE AGENCIES	1,854,659	828,801	967,511	-	3,287	7,382	10,190	36,752	-	736
DIRECTOR OF TEST & EVALUATION, DEFENSE	52,650	46,175	1,000	-	200	-	-	5,275	-	-
DEPARTMENT OF EDUCATION	44,054	3,928	1,312	-	25,036	-	13,367	-	401	-
DEPARTMENT OF ENERGY	2,752,172	140,428	737,409	1,062,932	21,734	689,818	43,645	54,279	714	1,213
DEPT OF HLTH & HUMAN SERVICES, TOTAL	365,329	73,985	31,713	4,707	163,741	4,551	75,052	-	9,531	2,049
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	2,193	1,703	-	-	-	-	490	-	-	-
HEALTH RESOURCES AND SERVICES ADMINISTRATION	2,200	200	-	800	950	200	-	-	150	-
HUMAN DEVELOPMENT SERVICES	14,336	1,378	4,002	-	610	-	5,230	-	3,116	-
NATIONAL INSTITUTES OF HEALTH	346,100	70,604	27,311	3,907	162,281	4,351	69,332	-	6,265	2,049
OFFICE OF THE SECRETARY	500	100	400	-	-	-	-	-	-	-
DEPT OF HOUSING & URBAN DEVELOPMENT	18,468	15,679	886	-	1,090	-	573	-	240	-
DEPARTMENT OF THE INTERIOR, TOTAL	20,828	15,999	4,104	-	725	-	-	-	-	-
BUREAU OF LAND MANAGEMENT	2,066	1,766	-	-	300	-	-	-	-	-
BUREAU OF MINES	5,089	2,284	2,805	-	-	-	-	-	-	-
BUREAU OF RECLAMATION	715	290	-	-	425	-	-	-	-	-
GEOLOGICAL SURVEY	3,594	2,495	1,099	-	-	-	-	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	264	64	200	-	-	-	-	-	-	-
US FISH & WILDLIFE SERVICE	9,100	9,100	-	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	13,829	1,987	8,773	-	654	-	2,165	-	250	-
DRUG ENFORCEMENT ADMINISTRATION	1,800	400	1,400	-	-	-	-	-	-	-
FEDERAL BUREAU OF INVESTIGATION	4,702	275	4,427	-	-	-	-	-	-	-
FEDERAL PRISON SYSTEM	400	370	-	-	30	-	-	-	-	-
IMMIGRATION & NATURALIZATION SVC	575	40	535	-	-	-	-	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	6,252	900	2,337	-	600	-	2,165	-	250	-
OFFICE OF LEGAL POLICY	100	2	74	-	24	-	-	-	-	-
DEPARTMENT OF LABOR, TOTAL	800	35	765	-	-	-	-	-	-	-
PENSION BENEFIT GUARANTEE CORPORATION	800	35	765	-	-	-	-	-	-	-

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TABLE C-73. FEDERAL OBLIGATIONS FOR DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1984 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL							
			UNITED STATES AND TERRITORIES							FOREIGN
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	
DEPARTMENT OF TRANSPORTATION, TOTAL .	433,339	71,615	282,357	-	9,993	6,411	20,331	-	42,632	-
COAST GUARD	19,201	11,555	7,502	-	-	144	-	-	-	-
FEDERAL AVIATION ADMINISTRATION ...	260,700	32,624	209,091	-	825	5,867	12,293	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	46,900	1,500	11,000	-	4,000	400	3,000	-	27,000	-
FEDERAL RAILROAD ADMINISTRATION ...	26,200	11,035	14,625	-	-	-	540	-	-	-
MARITIME ADMINISTRATION	7,500	1,250	5,907	-	-	-	200	-	143	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	32,100	1,284	21,186	-	2,568	-	2,289	-	4,773	-
OFFICE OF THE SECRETARY	5,090	3,160	1,930	-	-	-	-	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN .	3,400	1,400	400	-	1,600	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN ...	32,248	7,807	10,716	-	1,000	-	2,009	-	10,716	-
DEPARTMENT OF THE TREASURY, TOTAL ...	5,809	1,107	4,702	-	-	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING ..	2,717	815	1,902	-	-	-	-	-	-	-
INTERNAL REVENUE SERVICE	152	152	-	-	-	-	-	-	-	-
OFFICE OF PROTECTIVE RESEARCH	40	40	-	-	-	-	-	-	-	-
UNITED STATES CUSTOMS SERVICE	2,900	100	2,800	-	-	-	-	-	-	-
OTHER AGENCIES										
AGENCY FOR INTERNAT'L DEVELOPMENT ...	78,548	7,227	4,394	-	31,955	-	9,398	-	-	25,574
CONSUMER PRODUCT SAFETY COMMISSION ..	466	466	-	-	-	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	72,097	26,128	34,311	-	5,162	-	3,071	-	3,425	-
GENERAL SERVICES ADMINISTRATION	644	563	81	-	-	-	-	-	-	-
LIBRARY OF CONGRESS	4,955	4,580	375	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN ..	1,187,736	301,308	694,488	-	21,800	99,823	43,402	30	725	26,160
TENNESSEE VALLEY AUTHORITY	60,300	41,545	-	-	-	-	18,755	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	70	1	49	-	-	20	-	-	-	-
VETERANS ADMINISTRATION	16,000	15,700	-	-	300	-	-	-	-	-

1/ INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-74. FEDERAL OBLIGATIONS FOR DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1985 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL							
			UNITED STATES AND TERRITORIES							FOREIGN
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS	STATE AND LOCAL GOVTS	
TOTAL, ALL AGENCIES	36,219,387	8,123,842	23,760,741	1,165,083	635,382	1,136,960	613,484	617,631	57,290	108,974
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	29,233	26,243	-	-	2,248	-	81	-	83	578
AGRICULTURAL RESEARCH SERVICE	25,600	23,010	-	-	2,248	-	81	-	83	178
FOREST SERVICE	3,030	3,030	-	-	-	-	-	-	-	-
OFF OF INTERNAT'L COOPERATION & DEV	504	104	-	-	-	-	-	-	-	400
OFFICE OF TRANSPORTATION	99	99	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	50,956	30,309	19,911	-	697	-	-	-	-	39
BUREAU OF THE CENSUS	2,268	2,268	-	-	-	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	9,645	9,600	45	-	-	-	-	-	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN	36,003	17,440	19,866	-	697	-	-	-	-	-
NAT'L TELECOMM & INFORMATION ADMIN	1,000	1,000	-	-	-	-	-	-	-	39
OFFICE OF THE SECRETARY	40	1	-	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	30,822,685	7,317,651	21,851,011	47,305	349,450	275,274	385,980	579,663	20	16,331
DEPARTMENT OF THE ARMY	4,351,186	1,489,401	2,652,908	6,506	15,422	129,693	36,002	18,218	20	3,036
DEPARTMENT OF THE NAVY	8,843,221	2,254,897	6,230,167	40,799	71,430	7,119	232,799	21,380	-	4,630
DEPARTMENT OF THE AIR FORCE	13,917,298	2,193,365	10,733,020	-	257,470	138,462	86,276	500,202	-	8,513
DEFENSE AGENCIES	3,632,218	1,328,334	2,233,716	-	3,948	-	30,913	39,195	-	152
DIRECTOR OF TEST & EVALUATION, DEFENSE	58,762	51,654	1,200	-	1,200	-	-	4,708	-	-
DEPARTMENT OF EDUCATION	35,108	3,773	1,318	-	17,891	-	11,537	-	589	-
DEPARTMENT OF ENERGY	2,748,791	117,616	728,724	1,113,940	18,214	698,185	33,026	37,838	408	840
DEPT OF HLTH & HUMAN SERVICES, TOTAL	348,909	72,964	27,492	3,838	160,312	4,450	69,880	-	6,957	3,016
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	2,295	1,717	-	-	-	-	578	-	-	-
HUMAN DEVELOPMENT SERVICES	3,714	730	276	-	162	-	1,387	-	1,159	-
NATIONAL INSTITUTES OF HEALTH	342,400	70,017	27,216	3,838	160,150	4,450	67,915	-	5,798	3,016
OFFICE OF THE SECRETARY	500	500	-	-	-	-	-	-	-	-
DEPT OF HOUSING & URBAN DEVELOPMENT	19,840	16,844	952	-	1,171	-	615	-	258	-
DEPARTMENT OF THE INTERIOR, TOTAL	17,671	14,474	2,512	-	685	-	-	-	-	-
BUREAU OF LAND MANAGEMENT	1,768	1,468	-	-	300	-	-	-	-	-
BUREAU OF MINES	2,300	1,035	1,265	-	-	-	-	-	-	-
BUREAU OF RECLAMATION	730	345	-	-	385	-	-	-	-	-
GEOLOGICAL SURVEY	3,742	2,495	1,247	-	-	-	-	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	31	31	-	-	-	-	-	-	-	-
US FISH & WILDLIFE SERVICE	9,100	9,100	-	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	8,040	1,885	5,375	-	230	-	300	-	250	-
DRUG ENFORCEMENT ADMINISTRATION	1,600	300	1,300	-	-	-	-	-	-	-
FEDERAL BUREAU OF INVESTIGATION	1,558	275	1,283	-	-	-	-	-	-	-
FEDERAL PRISON SYSTEM	400	370	-	-	30	-	-	-	-	-
IMMIGRATION & NATURALIZATION SVC	200	40	160	-	-	-	-	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	4,282	900	2,632	-	200	-	300	-	250	-
DEPARTMENT OF LABOR, TOTAL	600	30	570	-	-	-	-	-	-	-
PENSION BENEFIT GUARANTEE CORPORATION	600	30	570	-	-	-	-	-	-	-

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TABLE C-74. FEDERAL OBLIGATIONS FOR DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1985 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL							
			UNITED STATES AND TERRITORIES							
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS	STATE AND LOCAL GOVTS	FOREIGN
DEPARTMENT OF TRANSPORTATION, TOTAL .	315,174	90,138	231,058	-	11,327	10,032	28,946	-	43,673	-
COAST GUARD	18,875	10,797	7,928	-	-	150	-	-	-	-
FEDERAL AVIATION ADMINISTRATION ...	257,600	61,824	164,688	-	1,542	9,382	20,164	-	-	-
FEDERAL HIGHWAY ADMINISTRATION	50,400	1,500	12,000	-	5,000	500	7,500	-	27,900	-
FEDERAL RAILROAD ADMINISTRATION ...	13,000	2,850	9,825	-	-	-	325	-	-	-
MARITIME ADMINISYRATION	6,700	400	6,150	-	-	-	-	-	150	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	25,500	2,420	23,430	-	2,485	-	2,888	-	5,277	-
OFFICE OF THE SECRETARY	6,464	3,280	2,074	-	1,000	-	-	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN .	2,000	1,500	500	-	-	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN ...	24,645	6,467	4,463	-	1,300	-	2,069	-	10,346	-
DEPARTMENT OF THE TREASURY, TOTAL ...	6,709	1,895	4,814	-	-	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING ..	3,200	1,188	2,012	-	-	-	-	-	-	-
INTERNAL REVENUE SERVICE	323	257	66	-	-	-	-	-	-	-
OFFICE OF PROTECTIVE RESEARCH	350	350	-	-	-	-	-	-	-	-
UNITED STATES CUSTOMS SERVICE	2,136	100	2,036	-	-	-	-	-	-	-
OTHER AGENCIES										
AGENCY FOR INTERNAT'L DEVELOPMENT ...	117,549	7,419	2,583	-	41,924	-	7,693	-	-	57,930
CONSUMER PRODUCT SAFETY COMMISSION ..	170	170	-	-	-	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	81,326	27,862	38,662	-	6,433	-	4,042	-	4,327	-
GENERAL SERVICES ADMINISTRATION	470	470	-	-	-	-	-	-	-	-
LIBRARY OF CONGRESS	4,880	4,505	375	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN ..	1,424,616	323,033	845,114	-	24,500	148,959	52,015	30	725	30,240
TENNESSEE VALLEY AUTHORITY	66,700	47,331	-	-	-	-	19,369	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY	440	30	270	-	-	60	-	100	-	-
VETERANS ADMINISTRATION	19,500	19,200	-	-	300	-	-	-	-	-

1/ INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-75. FEDERAL FUNDS FOR R&D PLANT, BY AGENCY: FISCAL YEARS 1983, 1984, AND 1985

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	OBLIGATIONS			OUTLAYS		
	1983	ESTIMATES 1984	ESTIMATES 1985	1983	ESTIMATES 1984	ESTIMATES 1985
TOTAL, ALL AGENCIES	1,298,055	1,719,145	1,818,786	1,299,938	1,556,052	1,793,912
DEPARTMENTS						
DEPARTMENT OF AGRICULTURE, TOTAL	33,854	53,422	27,770	32,806	41,442	38,695
AGRICULTURAL RESEARCH SERVICE	23,400	43,000	16,100	30,700	35,000	30,000
COOPERATIVE STATE RESEARCH SERVICE	10,000	10,000	10,000	775	6,000	8,000
FOREST SERVICE	454	422	1,670	1,331	442	695
DEPARTMENT OF COMMERCE, TOTAL	677	7,231	11,798	665	6,748	12,375
NATIONAL BUREAU OF STANDARDS	677	7,231	11,798	665	6,748	12,375
DEPARTMENT OF DEFENSE, TOTAL	312,500	447,100	368,900	267,700	335,400	366,600
DEPARTMENT OF THE ARMY	26,300	53,400	45,000	21,500	32,100	37,900
DEPARTMENT OF THE NAVY	141,700	240,900	182,700	136,700	159,200	194,000
DEPARTMENT OF THE AIR FORCE	138,700	135,200	135,900	103,700	126,500	129,400
DEFENSE AGENCIES	5,800	17,600	5,300	5,800	17,600	5,300
DEPARTMENT OF EDUCATION	-	-	2,750	-	-	2,640
DEPARTMENT OF ENERGY	757,668	945,028	1,184,428	824,451	957,294	1,104,318
DEPARTMENT OF HEALTH AND HUMAN SERVICES, TOTAL	47,875	57,632	13,900	26,539	32,915	43,208
ALCOHOL, DRUG ABUSE & MENTAL HEALTH ADMINISTRATION	1,844	1,917	-	1,039	1,315	1,308
FOOD & DRUG ADMINISTRATION	28,500	14,000	800	2,100	13,000	13,000
NATIONAL INSTITUTES OF HEALTH	17,531	41,715	13,100	23,400	18,600	28,900
DEPARTMENT OF THE INTERIOR, TOTAL	2,394	5,731	220	2,407	5,635	219
BUREAU OF MINES	100	100	-	100	100	-
GEOLOGICAL SURVEY	1,374	1,280	220	1,487	1,284	219
UNITED STATES FISH AND WILDLIFE SERVICE	920	4,351	-	820	4,251	-
DEPARTMENT OF TRANSPORTATION, TOTAL	21,900	22,500	10,500	9,900	8,100	16,000
FEDERAL AVIATION ADMINISTRATION	21,400	22,000	10,000	9,200	7,000	15,500
FEDERAL RAILROAD ADMINISTRATION	-	-	-	200	600	-
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION	500	500	500	500	500	500
DEPARTMENT OF THE TREASURY, TOTAL	60	70	70	60	70	70
UNITED STATES CUSTOMS SERVICE	60	70	70	60	70	70
OTHER AGENCIES						
AGENCY FOR INTERNATIONAL DEVELOPMENT	4,755	7,766	11,280	12,345	18,907	23,577
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	101,340	155,500	160,000	108,139	144,500	163,000
NATIONAL SCIENCE FOUNDATION	3,248	9,100	12,550	[illegible]	8,100	11,300
SMITHSONIAN INSTITUTION	994	565	1,220	1,064	838	1,303
TENNESSEE VALLEY AUTHORITY	300	300	300	400	300	300
VETERANS ADMINISTRATION	10,500	7,200	13,100	10,562	1,803	10,307

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-76. FEDERAL OBLIGATIONS FOR R&D PLANT, BY AGENCY AND PERFORMER OF THE RESEARCH AND DEVELOPMENT THE PLANT SUPPORTS: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	FEDERAL INTRA-MURAL	EXTRAMURAL							
			UNITED STATES AND TERRITORIES							FOREIGN
			INDUS-TRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS	STATE AND LOCAL GOV'S	
TOTAL, ALL AGENCIES	1,298,065	393,868	260,825	166,428	32,063	353,046	82,119	7,907	-	1,809
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	33,854	24,254	-	-	9,600	-	-	-	-	-
AGRICULTURAL RESEARCH SERVICE	23,400	23,400	-	-	-	-	-	-	-	-
COOPERATIVE STATE RESEARCH SERVICE	10,000	400	-	-	9,600	-	-	-	-	-
FOREST SERVICE	454	454	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	677	394	283	-	-	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	677	394	283	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	312,500	306,788	107	-	1	5,600	4	-	-	-
DEPARTMENT OF THE ARMY	26,300	26,300	-	-	-	-	-	-	-	-
DEPARTMENT OF THE NAVY	141,700	141,700	-	-	-	-	-	-	-	-
DEPARTMENT OF THE AIR FORCE	138,700	138,700	-	-	-	-	-	-	-	-
DEFENSE AGENCIES	5,800	88	107	-	1	5,600	4	-	-	-
DEPARTMENT OF ENERGY	757,668	5,369	136,540	164,928	19,187	343,692	80,045	7,907	-	-
DEPT OF HLTH & HUMAN SERVICES, TOTAL	47,875	16,375	28,500	1,500	1,500	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	1,844	1,844	-	-	-	-	-	-	-	-
FOOD & DRUG ADMINISTRATION	28,500	-	28,500	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	17,531	14,531	-	1,500	1,500	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	2,394	1,020	1,374	-	-	-	-	-	-	-
BUREAU OF MINES	100	100	-	-	-	-	-	-	-	-
GEOLOGICAL SURVEY	1,374	-	1,374	-	-	-	-	-	-	-
US FISH & WILDLIFE SERVICE	920	920	-	-	-	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	21,900	21,900	-	-	-	-	-	-	-	-
FEDERAL AVIATION ADMINISTRATION	21,400	21,400	-	-	-	-	-	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	500	500	-	-	-	-	-	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	60	60	-	-	-	-	-	-	-	-
UNITED STATES CUSTOMS SERVICE	60	60	-	-	-	-	-	-	-	-
OTHER AGENCIES										
AGENCY FOR INTERNAT'L DEVELOPMENT	4,795	14	469	-	1,463	-	1,570	-	-	1,279
NATIONAL AERONAUTICS & SPACE ADMIN	101,340	4,682	92,334	-	-	3,754	-	-	-	570
NATIONAL SCIENCE FOUNDATION	3,248	1,218	1,218	-	312	-	500	-	-	-
SMITHSONIAN INSTITUTION	994	994	-	-	-	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY	300	300	-	-	-	-	-	-	-	-
VETERANS ADMINISTRATION	10,500	10,500	-	-	-	-	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-77. FEDERAL OBLIGATIONS FOR R&D PLANT, BY AGENCY AND PERFORMER OF THE RESEARCH AND DEVELOPMENT THE PLANT SUPPORTS: FISCAL YEAR 1984 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	FEDERAL INTRA-MURAL	EXTRAMURAL							
			UNITED STATES AND TERRITORIES							FOREIGN
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	
TOTAL, ALL AGENCIES	1,719,145	585,534	408,180	190,162	52,251	358,017	116,945	3,680	-	4,386
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	53,422	43,822	-	-	9,600	-	-	-	-	-
AGRICULTURAL RESEARCH SERVICE	43,000	43,000	-	-	-	-	-	-	-	-
COOPERATIVE STATE RESEARCH SERVICE	10,000	400	-	-	9,600	-	-	-	-	-
FOREST SERVICE	422	422	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	7,231	6,761	470	-	-	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	7,231	6,761	470	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	447,100	434,323	5,805	-	54	6,700	218	-	-	-
DEPARTMENT OF THE ARMY	53,400	53,400	-	-	-	-	-	-	-	-
DEPARTMENT OF THE NAVY	240,900	240,900	-	-	-	-	-	-	-	-
DEPARTMENT OF THE AIR FORCE	135,200	135,200	-	-	-	-	-	-	-	-
DEFENSE AGENCIES	17,600	4,823	5,805	-	54	6,700	218	-	-	-
DEPARTMENT OF ENERGY	348,028	12,548	240,949	189,052	37,979	345,737	115,106	3,680	-	-
DEPT OF HLTH & HUMAN SERVICES, TOTAL	57,622	41,522	14,000	1,110	1,000	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	1,917	1,917	-	-	-	-	-	-	-	-
FOOD & DRUG ADMINISTRATION	14,000	-	14,000	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	41,715	39,605	-	1,110	1,000	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	5,731	4,451	1,280	-	-	-	-	-	-	-
BUREAU OF MINES	100	100	-	-	-	-	-	-	-	-
GEOLOGICAL SURVEY	1,280	-	1,280	-	-	-	-	-	-	-
US FISH & WILDLIFE SERVICE	4,351	4,351	-	-	-	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	22,900	22,900	-	-	-	-	-	-	-	-
FEDERAL AVIATION ADMINISTRATION	22,000	22,000	-	-	-	-	-	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	900	900	-	-	-	-	-	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	70	70	-	-	-	-	-	-	-	-
UNITED STATES CUSTOMS SERVICE	70	70	-	-	-	-	-	-	-	-
OTHER AGENCIES										
AGENCY FOR INTERNAT'L DEVELOPMENT	7,766	15	426	-	3,618	-	1,021	-	-	2,686
NATIONAL AERONAUTICS & SPACE ADMIN	195,500	7,200	141,000	-	-	5,600	-	-	-	1,700
NATIONAL SCIENCE FOUNDATION	9,100	4,250	4,250	-	-	-	600	-	-	-
SMITHSONIAN INSTITUTION	645	645	-	-	-	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY	300	300	-	-	-	-	-	-	-	-
VETERANS ADMINISTRATION	7,200	7,200	-	-	-	-	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-78. FEDERAL OBLIGATIONS FOR R&D PLANT, BY AGENCY AND PERFORMER OF THE RESEARCH AND DEVELOPMENT THE PLANT SUPPORTS: FISCAL YEAR 1985 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	FEDERAL INTRA-MURAL	EXTRAMURAL							
			UNITED STATES AND TERRITORIES							
			INDUS-TRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS	STATE AND LOCAL GOVTS	FOREIGN
TOTAL, ALL AGENCIES	1,818,786	455,885	484,439	223,063	61,472	504,089	64,082	6,289	-	19,467
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	27,770	18,170	-	-	9,600	-	-	-	-	-
AGRICULTURAL RESEARCH SERVICE	16,100	16,100	-	-	-	-	-	-	-	-
COOPERATIVE STATE RESEARCH SERVICE	10,000	400	-	-	9,600	-	-	-	-	-
FOREST SERVICE	1,670	1,670	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL	11,798	11,441	357	-	-	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS	11,798	11,441	357	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	368,900	364,042	533	-	5	4,300	20	-	-	-
DEPARTMENT OF THE ARMY	45,000	45,000	-	-	-	-	-	-	-	-
DEPARTMENT OF THE NAVY	182,700	182,700	-	-	-	-	-	-	-	-
DEPARTMENT OF THE AIR FORCE	135,900	135,900	-	-	-	-	-	-	-	-
DEFENSE AGENCIES	5,300	442	533	-	5	4,300	20	-	-	-
DEPARTMENT OF EDUCATION	2,750	-	-	-	2,750	-	-	-	-	-
DEPARTMENT OF ENERGY	1,184,428	14,527	357,126	222,063	42,559	479,289	62,575	6,289	-	-
DEPT OF HLTH & HUMAN SERVICES, TOTAL	13,900	11,100	800	1,000	1,000	-	-	-	-	-
FOOD & DRUG ADMINISTRATION	800	-	800	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	13,100	11,100	-	1,000	1,000	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL	220	-	220	-	-	-	-	-	-	-
GEOLOGICAL SURVEY	220	-	220	-	-	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	10,500	10,500	-	-	-	-	-	-	-	-
FEDERAL AVIATION ADMINISTRATION	10,000	10,000	-	-	-	-	-	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	500	500	-	-	-	-	-	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL	70	70	-	-	-	-	-	-	-	-
UNITED STATES CUSTOMS SERVICE	70	70	-	-	-	-	-	-	-	-
OTHER AGENCIES										
AGENCY FOR INTERNAT'L DEVELOPMENT	11,280	15	303	-	5,308	-	887	-	-	4,767
NATIONAL AERONAUTICS & SPACE ADMIN	160,000	7,400	121,100	-	-	16,800	-	-	-	14,700
NATIONAL SCIENCE FOUNDATION	12,550	4,000	4,000	-	290	3,700	600	-	-	-
SMITHSONIAN INSTITUTION	1,220	1,220	-	-	-	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY	300	300	-	-	-	-	-	-	-	-
VETERANS ADMINISTRATION	13,100	13,100	-	-	-	-	-	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-79. FEDERAL OBLIGATIONS FOR RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES, BY DETAILED FIELD OF SCIENCE: FISCAL YEARS 1983, 1984, AND 1985

(THOUSANDS OF DOLLARS)

FIELD OF SCIENCE	ACTUAL, 1983	ESTIMATES	
		1984	1985
TOTAL, ALL FIELDS	4,252,253	4,733,026	5,057,927
LIFE SCIENCES, TOTAL	2,499,974	2,757,713	2,873,779
BIOLOGICAL (EXCLUDING ENVIRONMENTAL)	1,288,444	1,445,345	1,500,665
ENVIRONMENTAL BIOLOGY	43,408	49,934	55,502
AGRICULTURAL	160,991	164,784	192,366
MEDICAL	876,819	992,561	1,020,055
LIFE SCIENCES, NEC	90,352	102,099	105,191
PSYCHOLOGY, TOTAL	99,002	114,993	125,509
BIOLOGICAL ASPECTS	28,938	37,162	37,897
SOCIAL ASPECTS	31,772	35,948	42,993
PSYCHOLOGICAL SCIENCES, NEC	38,292	41,883	44,619
PHYSICAL SCIENCES, TOTAL	596,468	684,531	747,999
ASTRONOMY	51,944	61,214	68,338
CHEMISTRY	205,714	233,168	250,532
PHYSICS	328,780	378,986	414,652
PHYSICAL SCIENCES, NEC	10,030	11,163	14,477
ENVIRONMENTAL SCIENCES, TOTAL	316,895	325,170	361,092
ATMOSPHERIC	81,037	88,531	98,427
GEOLOGICAL	69,691	74,783	94,408
OCEANOGRAPHY	150,990	144,774	158,540
ENVIRONMENTAL SCIENCES, NEC	15,577	17,112	9,717
MATHEMATICS & COMPUTER SCIENCES, TOTAL	172,379	188,769	232,065
MATHEMATICS	72,293	80,790	96,059
COMPUTER SCIENCES	80,795	77,054	93,453
MATHEMATICS & COMPUTER SCIENCES, NEC	19,291	30,925	42,553
ENGINEERING, TOTAL	408,677	449,350	510,435
AERONAUTICAL	41,529	44,647	47,372
ASTRONAUTICAL	15,396	14,103	17,798
CHEMICAL	23,851	28,448	32,693
CIVIL	30,238	35,985	43,870
ELECTRICAL	91,665	98,127	113,810
MECHANICAL	49,962	54,252	60,101
METALLURGY & MATERIALS	85,966	96,678	115,207
ENGINEERING, NEC	70,370	77,110	79,624
SOCIAL SCIENCES, TOTAL	125,447	129,501	128,406
ANTHROPOLOGY	6,735	6,501	7,075
ECONOMICS	58,400	58,197	55,501
POLITICAL SCIENCE	3,129	3,737	4,027
SOCIOLOGY	24,261	27,949	26,563
SOCIAL SCIENCES, NEC	32,922	33,117	35,240
OTHER SCIENCES, NEC	73,411	82,999	78,642

NOTE: THE RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 95 PERCENT OF TOTAL FEDERAL RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1983, 1984, AND 1985.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-80. FEDERAL OBLIGATIONS FOR RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS AND COM-PUTER SCIENCES	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES	4,252,253	2,459,974	99,002	596,468	316,895	172,379	408,677	125,447	73,411
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	272,832	194,722	-	14,696	2,230	1,051	9,789	50,344	-
AGRICULTURAL COOPERATIVE SERVICE	393	-	-	-	-	-	-	393	-
AGRICULTURAL MARKETING SERVICE	345	345	-	-	-	-	-	-	-
AGRICULTURAL RESEARCH SERVICE	34,896	27,319	-	4,346	244	125	2,750	112	-
COOPERATIVE STATE RESEARCH SERVICE	223,398	158,615	-	10,350	1,304	-	7,039	44,290	-
ECONOMIC RESEARCH SERVICE	2,551	-	-	-	-	-	-	2,551	-
FOREST SERVICE	8,557	6,643	-	-	282	234	-	998	-
HUMAN NUTRITION INFORMATION SERVICE	1,800	1,800	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE	692	-	-	-	-	692	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	472,203	41,869	17,557	70,739	71,378	89,910	169,039	19	11,692
DEPARTMENT OF THE ARMY	90,779	17,566	2,270	16,503	6,443	7,491	30,169	19	10,348
DEPARTMENT OF THE NAVY	165,077	14,019	9,881	25,999	50,963	23,835	41,180	-	-
DEPARTMENT OF THE AIR FORCE	137,758	8,892	5,201	26,136	10,192	11,530	75,692	-	115
DEFENSE AGENCIES	78,589	1,392	205	2,901	4,210	47,054	21,998	-	1,229
DEPARTMENT OF ENERGY	273,375	36,747	-	173,423	16,489	5,984	37,143	509	3,080
DEPT OF HLTH & HUMAN SERVICES, TOTAL	2,281,060	2,032,185	72,191	53,979	-	4,074	27,046	48,492	43,093
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	127,603	70,704	37,586	463	-	160	-	16,436	2,254
CENTERS FOR DISEASE CONTROL	5,152	5,152	-	-	-	-	-	-	-
FOOD & DRUG ADMINISTRATION	3,647	3,647	-	-	-	-	-	-	-
HEALTH CARE FINANCING ADMIN	6,098	-	-	-	-	-	-	6,098	-
HEALTH RESOURCES AND SERVICES ADMINISTRATION	7,249	2,555	-	-	-	-	-	-	4,694
HUMAN DEVELOPMENT SERVICES	1,049	-	-	-	-	-	-	1,049	-
NATIONAL INSTITUTES OF HEALTH	2,118,747	1,950,127	34,605	53,516	-	3,914	27,046	13,394	36,145
OFFICE OF ASST T SECY FOR HEALTH	7,375	-	-	-	-	-	-	7,375	-
OFFICE OF THE SECRETARY	3,425	-	-	-	-	-	-	3,425	-
SOCIAL SECURITY ADMINISTRATION	715	-	-	-	-	-	-	715	-
OTHER AGENCIES									
NATIONAL AERONAUTICS & SPACE ADMIN	169,681	15,078	1,916	54,877	47,007	5,348	43,819	296	1,340
NATIONAL SCIENCE FOUNDATION	783,102	139,373	7,338	228,754	179,791	66,012	121,841	25,787	14,206

NOTE: THE RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 95 PERCENT OF TOTAL FEDERAL RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1983.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-81. FEDERAL OBLIGATIONS FOR RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN PSYCHOLOGY AND LIFE SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				LIFE SCIENCES					
	TOTAL	BIO-LOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHO-LOGICAL SCIENCES NEC	TOTAL	BIO-LOGICAL	ENVIRON-MENTAL BIOLOGY	AGRI-CULTURAL	MEDICAL	LIFE SCIENCES NEC
TOTAL, ALL AGENCIES	99,002	28,938	31,772	38,292	2,459,974	1,288,444	43,408	160,951	876,819	90,352
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	-	-	-	-	194,722	24,004	1,683	159,268	9,767	-
AGRICULTURAL MARKETING SERVICE	-	-	-	-	345	-	-	345	-	-
AGRICULTURAL RESEARCH SERVICE	-	-	-	-	27,319	1,819	1,102	24,052	346	-
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	158,415	16,123	-	133,071	9,421	-
FOREST SERVICE	-	-	-	-	6,643	6,062	581	-	-	-
HUMAN NUTRITION INFORMATION SERVICE	-	-	-	-	1,800	-	-	1,800	-	-
DEPARTMENT OF DEFENSE, TOTAL	17,557	-	15,910	1,647	41,869	16,339	2,964	-	19,056	3,510
DEPARTMENT OF THE ARMY	2,270	-	2,270	-	17,566	1,710	122	-	15,734	-
DEPARTMENT OF THE NAVY	9,881	-	8,234	1,647	14,019	10,774	-	-	3,245	-
DEPARTMENT OF THE AIR FORCE	5,201	-	5,201	-	8,893	2,814	2,491	-	77	3,510
DEFENSE AGENCIES	205	-	205	-	1,391	1,041	351	-	-	-
DEPARTMENT OF ENERGY	-	-	-	-	36,747	26,323	-	712	6,461	3,251
DEPT OF HLTH & HUMAN SERVICES, TOTAL	72,191	23,617	13,273	35,301	2,032,185	1,114,379	335	-	839,455	78,016
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	37,586	23,617	13,273	696	70,704	39,023	-	-	25,342	4,339
CENTERS FOR DISEASE CONTROL	-	-	-	-	5,152	-	-	-	5,152	-
FOOD & DRUG ADMINISTRATION	-	-	-	-	3,647	1,313	-	-	2,334	-
HEALTH RESOURCES AND SERVICES ADMINISTRATION	-	-	-	-	2,555	-	-	-	2,555	-
NATIONAL INSTITUTES OF HEALTH	34,605	-	-	34,605	1,950,127	1,074,043	335	-	804,072	71,677
OTHER AGENCIES										
NATIONAL AERONAUTICS & SPACE ADMIN	1,916	280	333	1,333	15,078	4,398	200	825	2,080	5,575
NATIONAL SCIENCE FOUNDATION	7,328	5,071	2,256	11	139,373	101,001	38,226	146	-	-

NOTE: THE RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 95 PERCENT OF TOTAL FEDERAL RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1983.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-82. FEDERAL OBLIGATIONS FOR RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN PHYSICAL AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PHYSICAL SCIENCES					ENVIRONMENTAL SCIENCES				
	TOTAL	ASTRONO-MY	CHEM-ISTRY	PHYSICS	PHYSICAL SCIENCES NEC	TOTAL	ATMOS-PHERIC	GEO-LOGICAL	OCEAN-OGRAPHY	ENVIRON-MENTAL SCIENCES NEC
TOTAL, ALL AGENCIES	596,468	51,944	205,714	328,780	10,030	316,895	81,037	69,691	150,590	15,577
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	14,696	-	14,482	214	-	2,230	1,607	623	-	-
AGRICULTURAL RESEARCH SERVICE	4,346	-	4,132	214	-	244	178	66	-	-
COOPERATIVE STATE RESEARCH SERVICE	10,350	-	10,350	-	-	1,304	1,304	-	-	-
FOREST SERVICE	-	-	-	-	-	682	125	557	-	-
DEPARTMENT OF DEFENSE, TOTAL	70,739	3,455	31,428	34,854	1,002	71,378	13,997	7,403	41,377	8,601
DEPARTMENT OF THE ARMY	16,803	-	8,938	7,041	824	6,413	4,167	1,826	71	349
DEPARTMENT OF THE NAVY	25,999	398	11,710	13,491	-	50,343	1,595	-	40,732	8,234
DEPARTMENT OF THE AIR FORCE	26,136	3,057	10,780	12,102	197	10,192	8,235	1,957	-	-
DEFENSE AGENCIES	2,901	-	-	2,220	281	4,210	-	3,620	574	16
DEPARTMENT OF ENERGY	173,423	-	18,615	152,609	2,199	16,489	2,245	9,611	3,775	858
DEPT OF HLTH & HUMAN SERVICES, TOTAL	53,979	-	51,885	2,094	-	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	463	-	463	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	53,516	-	51,422	2,094	-	-	-	-	-	-
OTHER AGENCIES										
NATIONAL AERONAUTICS & SPACE ADMIN	54,877	27,970	4,613	15,781	6,513	47,007	25,138	12,885	2,948	6,036
NATIONAL SCIENCE FOUNDATION	228,754	20,519	84,691	123,228	316	179,791	38,050	39,169	102,490	82

NOTE: THE RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 95 PERCENT OF TOTAL FEDERAL RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1983.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-83. FEDERAL OBLIGATIONS FOR RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ENGINEERING								
	TOTAL	AERO-NAUTICAL	ASTRO-NAUTICAL	CHEMICAL	CIVIL	ELEC-TRICAL	MECHAN-ICAL	METAL-LURGY AND MATERIALS	ENGI-NEERING NEC
TOTAL, ALL AGENCIES	408,677	41,529	15,396	23,551	30,238	91,665	49,962	85,966	70,370
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	9,789	-	-	268	175	28	95	-	9,223
AGRICULTURAL RESEARCH SERVICE	2,750	-	-	268	175	28	95	-	2,184
COOPERATIVE STATE RESEARCH SERVICE	7,039	-	-	-	-	-	-	-	7,039
DEPARTMENT OF DEFENSE, TOTAL	169,039	23,876	12,723	819	3,851	57,328	26,186	40,748	3,508
DEPARTMENT OF THE ARMY	30,169	3,802	153	346	2,442	12,061	4,699	6,302	364
DEPARTMENT OF THE NAVY	41,180	200	-	175	-	15,477	15,725	9,532	71
DEPARTMENT OF THE AIR FORCE	75,692	19,797	10,483	245	1,409	24,649	5,762	12,572	775
DEFENSE AGENCIES	21,998	77	2,087	53	-	5,141	-	12,342	2,298
DEPARTMENT OF ENERGY	37,143	-	-	3,153	-	655	2,696	13,305	17,334
DEPT OF HLTH & HUMAN SERVICES, TOTAL	27,046	-	-	-	-	-	-	-	27,046
NATIONAL INSTITUTES OF HEALTH	27,046	-	-	-	-	-	-	-	27,046
OTHER AGENCIES									
NATIONAL AERONAUTICS & SPACE ADMIN	43,819	17,650	2,557	1,026	542	4,225	5,063	7,731	5,125
NATIONAL SCIENCE FOUNDATION	121,841	103	116	18,285	25,670	29,429	15,922	24,182	8,134

NOTE: THE RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 95 PERCENT OF TOTAL FEDERAL RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1983.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-84. FEDERAL OBLIGATIONS FOR RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHE-MATICS	COMPUTER SCIENCES	MATHE-MATICS AND COM-PUTER SCIENCES NEC	TOTAL	ANTHRO-POLOGY	ECONOM-ICS	POLITI-CAL SCIENCE	SOCI-OLOGY	SOCIAL SCIENCES NEC
TOTAL, ALL AGENCIES	172,379	72,293	80,795	19,291	125,447	5,735	58,400	3,129	25,261	32,922
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	1,051	1,051	-	-	50,344	-	47,855	-	2,450	39
AGRICULTURAL COOPERATIVE SERVICE	-	-	-	-	393	-	393	-	-	-
AGRICULTURAL RESEARCH SERVICE	125	125	-	-	112	-	73	-	-	39
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	46,290	-	43,840	-	2,450	-
ECONOMIC RESEARCH SERVICE	-	-	-	-	2,551	-	2,551	-	-	-
FOREST SERVICE	234	234	-	-	998	-	998	-	-	-
STATISTICAL REPORTING SERVICE	692	692	-	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	89,910	27,493	44,536	17,881	19	-	12	-	7	-
DEPARTMENT OF THE ARMY	7,491	5,046	2,421	24	19	-	12	-	7	-
DEPARTMENT OF THE NAVY	23,838	12,133	11,493	209	-	-	-	-	-	-
DEPARTMENT OF THE AIR FORCE	11,530	6,413	4,824	293	-	-	-	-	-	-
DEFENSE AGENCIES	47,054	3,901	25,798	17,355	-	-	-	-	-	-
DEPARTMENT OF ENERGY	5,984	3,972	1,670	342	509	-	-	-	-	509
DEPT OF HLTH & HUMAN SERVICES, TOTAL	4,074	4,074	-	-	48,492	317	3,547	1,020	20,481	23,127
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	160	160	-	-	16,436	317	54	1,020	13,270	1,775
HEALTH CARE FINANCING ADMIN	-	-	-	-	6,098	-	-	-	-	6,098
HUMAN DEVELOPMENT SERVICES	-	-	-	-	1,049	-	-	-	-	1,049
NATIONAL INSTITUTES OF HEALTH	3,914	3,914	-	-	13,394	-	-	-	-	13,394
OFFICE OF ASST'T SECY FOR HEALTH	-	-	-	-	7,375	-	292	-	6,987	96
OFFICE OF THE SECRETARY	-	-	-	-	3,425	-	3,201	-	224	-
SOCIAL SECURITY ADMINISTRATION	-	-	-	-	715	-	-	-	-	715
OTHER AGENCIES										
NATIONAL AERONAUTICS & SPACE ADMIN	5,348	834	3,446	1,068	296	-	-	-	-	296
NATIONAL SCIENCE FOUNDATION	66,012	34,869	31,143	-	25,787	5,418	6,984	2,109	2,323	8,951

NOTE: THE RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 95 PERCENT OF TOTAL FEDERAL RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1983.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-85. FEDERAL OBLIGATIONS FOR BASIC RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES, BY DETAILED FIELD OF SCIENCE: FISCAL YEARS 1983, 1984, AND 1985

(THOUSANDS OF DOLLARS)

FIELD OF SCIENCE	ACTUAL, 1983	ESTIMATES	
		1984	1985
TOTAL, ALL FIELDS	3,077,680	3,465,833	3,803,137
LIFE SCIENCES, TOTAL	1,701,670	1,928,892	2,067,826
BIOLOGICAL (EXCLUDING ENVIRONMENTAL)	1,030,888	1,167,782	1,239,919
ENVIRONMENTAL BIOLOGY	36,736	43,281	48,752
AGRICULTURAL	71,806	74,540	105,304
MEDICAL	501,777	574,972	603,262
LIFE SCIENCES, NEC	60,463	68,317	70,589
PSYCHOLOGY, TOTAL	55,616	67,442	74,164
BIOLOGICAL ASPECTS	15,679	22,390	23,134
SOCIAL ASPECTS	21,243	24,083	28,329
PSYCHOLOGICAL SCIENCES, NEC	18,694	20,969	22,701
PHYSICAL SCIENCES, TOTAL	502,182	577,197	645,312
ASTRONOMY	49,872	58,998	65,892
CHEMISTRY	181,946	204,208	224,535
PHYSICS	264,727	307,658	347,704
PHYSICAL SCIENCES, NEC	5,637	6,333	7,181
ENVIRONMENTAL SCIENCES, TOTAL	284,262	300,457	326,208
ATMOSPHERIC	68,605	77,476	84,823
GEOLOGICAL	69,602	67,998	85,202
OCEANOGRAPHY	144,500	142,410	151,783
ENVIRONMENTAL SCIENCES, NEC	11,555	12,573	4,400
MATHEMATICS & COMPUTER SCIENCES, TOTAL	146,848	158,933	196,804
MATHEMATICS	68,319	76,627	91,639
COMPUTER SCIENCES	66,807	66,031	81,120
MATHEMATICS & COMPUTER SCIENCES, NEC	11,722	16,275	24,045
ENGINEERING, TOTAL	295,456	333,390	388,581
AERONAUTICAL	28,243	31,041	35,926
ASTRONAUTICAL	8,012	8,906	10,350
CHEMICAL	18,914	22,748	27,197
CIVIL	22,474	27,367	33,677
ELECTRICAL	63,811	71,928	85,648
MECHANICAL	43,884	46,858	52,390
METALLURGY & MATERIALS	76,812	87,386	102,768
ENGINEERING, NEC	33,306	37,156	40,695
SOCIAL SCIENCES, TOTAL	56,911	61,792	64,067
ANTHROPOLOGY	5,428	6,165	6,729
ECONOMICS	22,894	24,622	24,523
POLITICAL SCIENCE	2,124	2,680	2,991
SOCIOLOGY	14,894	14,640	14,487
SOCIAL SCIENCES, NEC	11,569	12,985	15,337
OTHER SCIENCES, NEC	34,735	38,430	40,175

NOTE: THE BASIC RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 99 PERCENT OF TOTAL FEDERAL BASIC RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1983, 1984, AND 1985.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-86. FEDERAL OBLIGATIONS FOR BASIC RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS AND COM-PUTER SCIENCES	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES	3,077,680	1,701,670	55,616	502,182	284,262	146,848	295,456	56,911	34,735
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	117,122	87,635	-	6,727	755	116	3,595	18,294	-
AGRICULTURAL RESEARCH SERVICE	17,978	14,070	-	2,794	118	50	920	[illegible]	-
COOPERATIVE STATE RESEARCH SERVICE	94,856	69,862	-	3,933	496	-	2,675	17,890	-
ECONOMIC RESEARCH SERVICE	295	-	-	-	-	-	-	295	-
FOREST SERVICE	4,333	3,703	-	-	141	66	-	423	-
DEPARTMENT OF DEFENSE, TOTAL	360,432	25,831	13,009	60,801	63,790	71,026	115,781	-	10,194
DEPARTMENT OF THE ARMY	68,358	8,480	1,481	14,925	5,138	7,050	21,090	-	10,194
DEPARTMENT OF THE NAVY	154,268	11,455	7,756	24,251	49,134	23,238	38,534	-	-
DEPARTMENT OF THE AIR FORCE	89,995	5,190	3,567	21,534	6,995	9,219	43,530	-	-
DEFENSE AGENCIES	47,811	706	205	191	2,563	31,519	12,627	-	-
DEPARTMENT OF ENERGY	162,264	12,933	-	120,690	4,091	5,642	18,872	-	36
DEPT OF HLTH & HUMAN SERVICES, TOTAL	1,561,279	1,433,061	33,593	43,120	-	2,096	18,181	17,370	13,858
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	51,820	27,923	16,448	181	-	67	-	6,074	1,127
NATIONAL INSTITUTES OF HEALTH	1,502,084	1,405,138	17,145	42,939	-	2,029	18,181	3,921	12,731
OFFICE OF ASST T SECY FOR HEALTH	7,375	-	-	-	-	-	-	7,375	-
OTHER AGENCIES									
NATIONAL AERONAUTICS & SPACE ADMIN	140,081	12,538	1,814	49,625	39,127	4,089	31,947	296	645
NATIONAL SCIENCE FOUNDATION	736,502	129,672	7,200	221,219	176,499	63,879	107,080	20,951	10,002

NOTE: THE BASIC RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 99 PERCENT OF TOTAL FEDERAL BASIC RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1983.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-87. FEDERAL OBLIGATIONS FOR BASIC RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN PSYCHOLOGY AND LIFE SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				LIFE SCIENCES					
	TOTAL	BIO-LOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHO-LOGICAL SCIENCES NEC	TOTAL	BIO-LOGICAL	ENVIRON-MENTAL BIOLOGY	AGRI-CULTURAL	MEDICAL	LIFE SCIENCES NEC
TOTAL, ALL AGENCIES	55,616	15,679	21,243	18,694	1,701,670	1,030,888	36,736	71,806	501,777	40,463
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	-	-	-	-	87,635	12,272	712	70,935	3,716	-
AGRICULTURAL RESEARCH SERVICE	-	-	-	-	14,070	1,418	496	12,020	136	-
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	69,862	7,367	-	58,915	3,580	-
FOREST SERVICE	-	-	-	-	3,703	3,487	216	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	13,009	-	13,009	-	25,831	15,528	2,817	-	7,486	-
DEPARTMENT OF THE ARMY	1,481	-	1,481	-	8,480	1,710	90	-	6,680	-
DEPARTMENT OF THE NAVY	7,756	-	7,756	-	11,455	10,649	-	-	806	-
DEPARTMENT OF THE AIR FORCE	3,567	-	3,567	-	5,190	2,814	2,376	-	-	-
DEFENSE AGENCIES	205	-	205	-	706	355	351	-	-	-
DEPARTMENT OF ENERGY	-	-	-	-	12,933	12,933	-	-	-	-
DEPT OF HLTH & HUMAN SERVICES, TOTAL	33,593	10,467	5,685	17,441	1,433,061	887,372	216	-	489,017	56,456
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	16,448	10,467	5,685	296	27,923	16,567	-	-	8,825	2,531
NATIONAL INSTITUTES OF HEALTH	17,145	-	-	17,145	1,405,138	[illegible]	216	-	480,192	53,925
OTHER AGENCIES										
NATIONAL AERONAUTICS & SPACE ADMIN	1,814	231	333	1,250	12,538	5,948	200	825	1,558	4,007
NATIONAL SCIENCE FOUNDATION	7,200	4,981	2,216	3	129,672	96,835	32,791	46	-	-

NOTE: THE BASIC RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 99 PERCENT OF TOTAL FEDERAL BASIC RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1983.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-88. FEDERAL OBLIGATIONS FOR BASIC RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN PHYSICAL AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PHYSICAL SCIENCES					ENVIRONMENTAL SCIENCES				
	TOTAL	ASTRONOMY	CHEMISTRY	PHYSICS	PHYSICAL SCIENCES NEC	TOTAL	ATMOSPHERIC	GEOLOGICAL	OCEANOGRAPHY	ENVIRONMENTAL SCIENCES NEC
TOTAL, ALL AGENCIES	502,182	49,872	181,946	264,727	5,637	284,262	64,605	59,602	144,500	11,555
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	6,857	-	6,626	101	-	755	588	167	-	-
AGRICULTURAL RESEARCH SERVICE	2,793	-	2,693	101	-	118	92	26	-	-
COOPERATIVE STATE RESEARCH SERVICE	3,933	-	3,933	-	-	496	496	-	-	-
FOREST SERVICE	-	-	-	-	-	141	-	141	-	-
DEPARTMENT OF DEFENSE, TOTAL	60,801	3,057	29,102	28,465	177	63,790	10,689	5,095	39,699	8,307
DEPARTMENT OF THE ARMY	14,925	-	7,825	6,923	177	5,138	3,495	1,566	6	71
DEPARTMENT OF THE NAVY	24,151	-	11,710	12,441	-	49,134	1,895	-	39,303	8,236
DEPARTMENT OF THE AIR FORCE	21,534	3,057	9,567	8,910	-	6,995	5,599	1,356	-	-
DEFENSE AGENCIES	191	-	-	191	-	2,563	-	2,173	390	-
DEPARTMENT OF ENERGY	120,690	-	18,615	102,075	-	4,091	-	4,091	-	-
DEPT OF HLTH & HUMAN SERVICES, TOTAL	43,120	-	41,862	1,258	-	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	181	-	181	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	42,939	-	41,681	1,258	-	-	-	-	-	-
OTHER AGENCIES										
NATIONAL AERONAUTICS & SPACE ADMIN	49,625	26,245	4,342	13,733	5,225	39,127	20,286	12,703	2,933	3,205
NATIONAL SCIENCE FOUNDATION	221,219	20,490	81,399	119,095	235	176,499	37,042	37,544	101,868	43

NOTE: THE BASIC RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 99 PERCENT OF TOTAL FEDERAL BASIC RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1983.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-89. FEDERAL OBLIGATIONS FOR BASIC RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ENGINEERING								
	TOTAL	AERONAUTICAL	ASTRONAUTICAL	CHEMICAL	CIVIL	ELECTRICAL	MECHANICAL	METALLURGY AND MATERIALS	ENGINEERING NEC
TOTAL, ALL AGENCIES	295,456	28,243	8,012	18,914	22,474	63,811	43,884	76,812	33,306
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	3,595	-	-	116	50	12	30	-	3,387
AGRICULTURAL RESEARCH SERVICE	920	-	-	116	50	12	30	-	712
COOPERATIVE STATE RESEARCH SERVICE	2,675	-	-	-	-	-	-	-	2,675
DEPARTMENT OF DEFENSE, TOTAL	115,781	14,390	5,991	295	1,433	34,965	23,150	35,217	380
DEPARTMENT OF THE ARMY	21,090	3,658	-	50	214	8,392	3,121	5,655	-
DEPARTMENT OF THE NAVY	38,534	200	-	152	-	13,684	15,282	9,145	71
DEPARTMENT OF THE AIR FORCE	43,530	10,532	5,991	-	1,219	9,869	4,747	11,172	-
DEFENSE AGENCIES	12,627	-	-	93	-	3,020	-	9,245	309
DEPARTMENT OF ENERGY	18,872	-	-	1,088	-	-	2,691	13,305	1,788
DEPT OF HLTH & HUMAN SERVICES, TOTAL	18,181	-	-	-	-	-	-	-	18,181
NATIONAL INSTITUTES OF HEALTH	18,181	-	-	-	-	-	-	-	18,181
OTHER AGENCIES									
NATIONAL AERONAUTICS & SPACE ADMIN	31,947	13,753	1,905	935	542	2,789	3,180	6,538	2,305
NATIONAL SCIENCE FOUNDATION	107,080	100	116	16,520	20,449	28,045	14,833	21,752	7,265

NOTE: THE BASIC RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 99 PERCENT OF TOTAL FEDERAL BASIC RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1983.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-90. FEDERAL OBLIGATIONS FOR BASIC RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHEMATICS	COMPUTER SCIENCES	MATHEMATICS AND COMPUTER SCIENCES NEC	TOTAL	ANTHROPOLOGY	ECONOMICS	POLITICAL SCIENCE	SOCIOLOGY	SOCIAL SCIENCES NEC
TOTAL, ALL AGENCIES	146,848	68,319	66,807	11,722	56,911	5,428	22,896	2,124	14,894	11,569
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	116	116	-	-	18,294	-	17,361	-	931	2
AGRICULTURAL RESEARCH SERVICE	50	50	-	-	26	-	24	-	-	2
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	17,590	-	16,659	-	931	-
ECONOMIC RESEARCH SERVICE	-	-	-	-	255	-	255	-	-	-
FOREST SERVICE	66	66	-	-	423	-	423	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	71,026	27,000	33,252	10,774	-	-	-	-	-	-
DEPARTMENT OF THE ARMY	7,090	5,010	2,025	15	-	-	-	-	-	-
DEPARTMENT OF THE NAVY	23,238	12,133	10,896	209	-	-	-	-	-	-
DEPARTMENT OF THE AIR FORCE	9,319	6,124	3,995	-	-	-	-	-	-	-
DEFENSE AGENCIES	31,319	3,733	17,236	10,550	-	-	-	-	-	-
DEPARTMENT OF ENERGY	5,642	3,972	1,670	-	-	-	-	-	-	-
DEPT OF HLTH & HUMAN SERVICES, TOTAL	2,096	2,096	-	-	17,370	142	315	428	12,153	4,332
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	67	67	-	-	6,074	142	23	428	5,166	315
NATIONAL INSTITUTES OF HEALTH	2,029	2,029	-	-	3,921	-	-	-	-	3,921
OFFICE OF ASST'T SECY FOR HEALTH	-	-	-	-	7,375	-	292	-	6,987	96
OTHER AGENCIES										
NATIONAL AERONAUTICS & SPACE ADMIN	4,089	757	2,384	948	296	-	-	-	-	296
NATIONAL SCIENCE FOUNDATION	63,879	34,378	29,501	-	20,951	5,286	5,220	1,696	1,810	6,939

NOTE: THE BASIC RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 99 PERCENT OF TOTAL FEDERAL BASIC RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1983.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-91. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES, BY DETAILED FIELD OF SCIENCE: FISCAL YEARS 1983, 1984, AND 1985

(THOUSANDS OF DOLLARS)

FIELD OF SCIENCE	ACTUAL, 1983	ESTIMATE	
		1984	1985
TOTAL, ALL FIELDS	1,174,573	1,267,193	1,254,790
LIFE SCIENCES, TOTAL	758,304	828,821	805,953
BIOLOGICAL (EXCLUDING ENVIRONMENTAL)	257,556	277,563	260,746
ENVIRONMENTAL BIOLOGY	6,672	6,673	6,750
AGRICULTURAL	89,145	90,254	87,062
MEDICAL	375,042	420,589	416,793
LIFE SCIENCES, NEC	29,889	33,742	34,602
PSYCHOLOGY, TOTAL	43,386	47,551	51,345
BIOLOGICAL ASPECTS	13,259	14,772	14,763
SOCIAL ASPECTS	10,229	11,865	14,664
PSYCHOLOGICAL SCIENCES, NEC	19,898	20,914	21,918
PHYSICAL SCIENCES, TOTAL	94,286	107,334	102,687
ASTRONOMY	2,072	2,216	2,446
CHEMISTRY	23,768	28,960	25,997
PHYSICS	64,053	71,328	66,948
PHYSICAL SCIENCES, NEC	4,393	4,830	7,296
ENVIRONMENTAL SCIENCES, TOTAL	32,633	24,713	34,884
ATMOSPHERIC	12,432	11,055	13,604
GEOLOGICAL	10,089	6,755	9,206
OCEANOGRAPHY	6,090	2,364	5,757
ENVIRONMENTAL SCIENCES, NEC	4,022	4,539	6,317
MATHEMATICS & COMPUTER SCIENCES, TOTAL	25,531	29,836	35,261
MATHEMATICS	3,974	4,163	4,420
COMPUTER SCIENCES	13,988	11,023	12,333
MATHEMATICS & COMPUTER SCIENCES, NEC	7,569	14,650	18,508
ENGINEERING, TOTAL	113,221	115,960	121,854
AERONAUTICAL	13,286	13,606	11,446
ASTRONAUTICAL	7,384	5,197	7,403
CHEMICAL	4,637	5,700	5,496
CIVIL	7,764	8,618	10,193
ELECTRICAL	27,854	26,199	28,152
MECHANICAL	6,078	7,394	7,751
METALLURGY & MATERIALS	9,154	9,292	12,439
ENGINEERING, NEC	37,064	39,954	38,969
SOCIAL SCIENCES, TOTAL	68,536	68,409	64,339
ANTHROPOLOGY	307	336	346
ECONOMICS	35,504	33,575	30,978
POLITICAL SCIENCE	1,005	1,057	1,036
SOCIOLOGY	10,367	13,309	12,076
SOCIAL SCIENCES, NEC	21,353	20,132	19,903
OTHER SCIENCES, NEC	38,676	44,569	38,467

NOTE: THE APPLIED RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 85 PERCENT OF TOTAL FEDERAL APPLIED RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1983, 1984, AND 1985.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-92. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS AND COM-PUTER SCIENCES	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES	1,174,573	758,304	43,386	94,286	32,633	25,531	113,221	68,536	38,676
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	155,710	107,087	-	7,969	1,475	935	6,194	32,050	-
AGRICULTURAL COOPERATIVE SERVICE	393	-	-	-	-	-	-	393	-
AGRICULTURAL MARKETING SERVICE	345	345	-	-	-	-	-	-	-
AGRICULTURAL RESEARCH SERVICE	16,918	13,249	-	1,552	126	75	1,830	86	-
COOPERATIVE STATE RESEARCH SERVICE	129,042	88,793	-	6,417	808	-	4,364	28,700	-
ECONOMIC RESEARCH SERVICE	2,296	-	-	-	-	-	-	2,296	-
FOREST SERVICE	4,224	2,940	-	-	541	168	-	575	-
HUMAN NUTRITION INFORMATION SERVICE	1,800	1,800	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE	692	-	-	-	-	692	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	111,771	16,038	4,548	9,938	7,588	18,884	53,258	19	1,498
DEPARTMENT OF THE ARMY	22,421	9,086	789	1,578	1,275	441	9,079	19	154
DEPARTMENT OF THE NAVY	10,809	2,564	3,125	1,448	1,429	997	2,646	-	-
DEPARTMENT OF THE AIR FORCE	47,763	3,702	1,734	4,602	3,237	2,311	32,162	-	115
DEFENSE AGENCIES	30,778	686	-	2,310	1,647	15,535	9,371	-	1,229
DEPARTMENT OF ENERGY	111,1[illegible]	23,814	-	52,733	12,398	342	18,271	509	3,044
DEPT OF HLTH & HUMAN SERVICES, TOTAL	7[illegible],781	599,124	38,598	10,859	-	1,978	8,865	31,122	29,235
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	75,783	42,781	21,138	282	-	93	-	10,362	1,127
CENTERS FOR DISEASE CONTROL	5,152	5,152	-	-	-	-	-	-	-
FOOD & DRUG ADMINISTRATION	3,647	3,647	-	-	-	-	-	-	-
HEALTH CARE FINANCING ADMIN	6,098	-	-	-	-	-	-	6,098	-
HEALTH RESOURCES AND SERVICES ADMINISTRATION	7,249	2,555	-	-	-	-	-	-	4,694
HUMAN DEVELOPMENT SERVICES	1,049	-	-	-	-	-	-	1,049	-
NATIONAL INSTITUTES OF HEALTH	616,663	544,989	17,460	10,577	-	1,885	8,865	9,473	23,414
OFFICE OF THE SECRETARY	3,425	-	-	-	-	-	-	3,425	-
SOCIAL SECURITY ADMINISTRATION	715	-	-	-	-	-	-	715	-
OTHER AGENCIES									
NATIONAL AERONAUTICS & SPACE ADMIN	29,600	2,540	102	5,252	7,880	1,259	11,872	-	695
NATIONAL SCIENCE FOUNDATION	46,600	9,701	138	7,595	3,292	2,133	14,761	4,836	4,204

NOTE: THE APPLIED RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 87 PERCENT OF TOTAL FEDERAL APPLIED RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1983.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-93. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN PSYCHOLOGY AND LIFE SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				LIFE SCIENCES					
	TOTAL	BIOLOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHOLOGICAL SCIENCES NEC	TOTAL	BIOLOGICAL	ENVIRONMENTAL BIOLOGY	AGRICULTURAL	MEDICAL	LIFE SCIENCES NEC
TOTAL, ALL AGENCIES	43,386	13,259	10,529	19,598	758,304	257,556	6,672	89,145	375,042	29,889
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	-	-	-	-	107,087	11,732	971	88,333	6,051	-
AGRICULTURAL MARKETING SERVICE	-	-	-	-	345	-	-	345	-	-
AGRICULTURAL RESEARCH SERVICE	-	-	-	-	13,249	401	606	12,032	210	-
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	88,753	8,756	-	74,156	5,841	-
FOREST SERVICE	-	-	-	-	2,940	2,575	365	-	-	-
HUMAN NUTRITION INFORMATION SERVICE	-	-	-	-	1,800	-	-	1,800	-	-
DEPARTMENT OF DEFENSE, TOTAL	4,548	-	2,901	1,647	16,038	811	147	-	11,570	3,510
DEPARTMENT OF THE ARMY	789	-	789	-	9,086	-	32	-	9,054	-
DEPARTMENT OF THE NAVY	2,125	-	478	1,647	2,564	125	-	-	2,439	-
DEPARTMENT OF THE AIR FORCE	1,634	-	1,634	-	3,702	-	115	-	77	3,510
DEFENSE AGENCIES	-	-	-	-	686	686	-	-	-	-
DEPARTMENT OF ENERGY	-	-	-	-	23,814	13,390	-	712	6,461	3,251
DEPT OF HLTH & HUMAN SERVICES, TOTAL	38,998	13,150	7,588	17,860	599,124	227,007	119	-	350,438	21,560
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	21,138	13,150	7,588	400	42,781	22,456	-	-	16,517	3,808
CENTERS FOR DISEASE CONTROL	-	-	-	-	6,152	-	-	-	6,152	-
FOOD & DRUG ADMINISTRATION	-	-	-	-	3,647	1,313	-	-	2,334	-
HEALTH RESOURCES AND SERVICES ADMINISTRATION	-	-	-	-	2,563	-	-	-	2,555	-
NATIONAL INSTITUTES OF HEALTH	17,460	-	-	17,460	544,989	203,238	119	-	323,880	17,752
OTHER AGENCIES										
NATIONAL AERONAUTICS & SPACE ADMIN	102	19	-	83	2,549	450	-	-	522	1,568
NATIONAL SCIENCE FOUNDATION	128	80	40	8	9,701	4,166	5,435	100	-	-

NOTE: THE APPLIED RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 87 PERCENT OF TOTAL FEDERAL APPLIED RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1983.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-94. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN PHYSICAL AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PHYSICAL SCIENCES					ENVIRONMENTAL SCIENCES				
	TOTAL	ASTRONOMY	CHEMISTRY	PHYSICS	PHYSICAL SCIENCES NEC	TOTAL	ATMOSPHERIC	GEOLOGICAL	OCEANOGRAPHY	ENVIRONMENTAL SCIENCES NEC
TOTAL, ALL AGENCIES	94,286	2,072	23,768	64,053	4,393	32,633	12,432	10,089	6,090	4,022
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	7,969	-	7,856	113	-	1,475	1,019	456	-	-
AGRICULTURAL RESEARCH SERVICE	1,552	-	1,439	113	-	126	86	40	-	-
COOPERATIVE STATE RESEARCH SERVICE	6,417	-	6,417	-	-	808	808	-	-	-
FOREST SERVICE	-	-	-	-	-	541	125	416	-	-
DEPARTMENT OF DEFENSE, TOTAL	9,938	398	2,326	6,389	825	7,588	3,308	2,308	1,678	294
DEPARTMENT OF THE ARMY	1,578	-	1,113	118	347	1,275	672	260	65	278
DEPARTMENT OF THE NAVY	1,448	398	-	1,050	-	1,429	-	-	1,429	-
DEPARTMENT OF THE AIR FORCE	4,602	-	1,213	3,192	197	3,237	2,636	601	-	-
DEFENSE AGENCIES	2,310	-	-	2,029	281	1,647	-	1,447	184	16
DEPARTMENT OF ENERGY	52,733	-	-	50,534	2,199	12,398	2,245	5,520	3,775	858
DEPT OF HLTH & HUMAN SERVICES, TOTAL	10,899	-	10,023	836	-	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	282	-	282	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH	10,577	-	9,741	836	-	-	-	-	-	-
OTHER AGENCIES										
NATIONAL AERONAUTICS & SPACE ADMIN	5,252	1,645	271	2,048	1,288	7,880	4,852	182	15	2,831
NATIONAL SCIENCE FOUNDATION	7,595	29	3,292	4,133	81	3,292	1,008	1,623	622	39

NOTE: THE APPLIED RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 87 PERCENT OF TOTAL FEDERAL APPLIED RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1983.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-95. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ENGINEERING								
	TOTAL	AERO-NAUTICAL	ASTRO-NAUTICAL	CHEMICAL	CIVIL	ELEC-TRICAL	MECHAN-ICAL	METAL-LURGY AND MATERIALS	ENGI-NEERING NEC
TOTAL, ALL AGENCIES	113,221	13,286	7,384	4,637	7,764	27,854	6,078	9,154	37,064
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	6,194	-	-	152	125	16	65	-	5,836
AGRICULTURAL RESEARCH SERVICE	1,830	-	-	152	125	16	65	-	1,472
COOPERATIVE STATE RESEARCH SERVICE	4,364	-	-	-	-	-	-	-	4,364
DEPARTMENT OF DEFENSE, TOTAL	53,258	9,486	6,732	564	2,418	22,363	3,036	5,531	3,128
DEPARTMENT OF THE ARMY	9,079	144	153	296	2,228	3,649	1,578	647	384
DEPARTMENT OF THE NAVY	2,646	-	-	23	-	1,793	443	387	-
DEPARTMENT OF THE AIR FORCE	32,162	9,265	4,492	245	190	14,780	1,015	1,400	775
DEFENSE AGENCIES	9,371	77	2,087	-	-	2,121	-	3,097	1,989
DEPARTMENT OF ENERGY	18,271	-	-	2,065	-	695	5	-	15,546
DEPT OF HLTH & HUMAN SERVICES, TOTAL	8,865	-	-	-	-	-	-	-	8,865
NATIONAL INSTITUTES OF HEALTH	8,865	-	-	-	-	-	-	-	8,865
OTHER AGENCIES									
NATIONAL AERONAUTICS & SPACE ADMIN	11,873	3,797	652	91	-	1,436	1,883	1,193	2,820
NATIONAL SCIENCE FOUNDATION	14,761	3	-	1,765	5,221	3,384	1,089	2,430	849

NOTE: THE APPLIED RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 87 PERCENT OF TOTAL FEDERAL APPLIED RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1983.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-96. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHEMATICS	COMPUTER SCIENCES	MATHEMATICS AND COMPUTER SCIENCES NEC	TOTAL	ANTHROPOLOGY	ECONOMICS	POLITICAL SCIENCE	SOCIOLOGY	SOCIAL SCIENCES NEC
TOTAL, ALL AGENCIES	25,531	3,974	13,988	7,569	68,536	307	35,504	1,005	10,367	21,353
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	935	935	-	-	32,050	-	30,494	-	1,519	37
AGRICULTURAL COOPERATIVE SERVICE	-	-	-	-	393	-	393	-	-	-
AGRICULTURAL RESEARCH SERVICE	75	75	-	-	86	-	49	-	-	37
COOPERATIVE STATE RESEARCH SERVICE	-	-	-	-	28,700	-	27,181	-	1,519	-
ECONOMIC RESEARCH SERVICE	-	-	-	-	2,296	-	2,296	-	-	-
FOREST SERVICE	168	168	-	-	575	-	575	-	-	-
STATISTICAL REPORTING SERVICE	692	692	-	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	18,884	493	11,284	7,107	19	-	12	-	7	-
DEPARTMENT OF THE ARMY	441	36	396	9	19	-	12	-	7	-
DEPARTMENT OF THE NAVY	997	-	997	-	-	-	-	-	-	-
DEPARTMENT OF THE AIR FORCE	2,311	289	1,729	293	-	-	-	-	-	-
DEFENSE AGENCIES	15,535	168	8,562	6,805	-	-	-	-	-	-
DEPARTMENT OF ENERGY	342	-	-	342	509	-	-	-	-	509
DEPT OF HLTH & HUMAN SERVICES, TOTAL	1,978	1,978	-	-	31,122	175	3,232	592	8,328	18,795
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	93	93	-	-	10,362	175	31	592	8,104	1,460
HEALTH CARE FINANCING ADMIN	-	-	-	-	6,098	-	-	-	-	6,098
HUMAN DEVELOPMENT SERVICES	-	-	-	-	1,049	-	-	-	-	1,049
NATIONAL INSTITUTES OF HEALTH	1,885	1,885	-	-	9,473	-	-	-	-	9,473
OFFICE OF THE SECRETARY	-	-	-	-	3,425	-	3,201	-	224	-
SOCIAL SECURITY ADMINISTRATION	-	-	-	-	715	-	-	-	-	715
OTHER AGENCIES										
NATIONAL AERONAUTICS & SPACE ADMIN	1,299	77	1,062	120	-	-	-	-	-	-
NATIONAL SCIENCE FOUNDATION	2,133	491	1,642	-	4,836	132	1,766	413	513	2,012

NOTE: THE APPLIED RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 87 PERCENT OF TOTAL FEDERAL APPLIED RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1983.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-97. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT TO FOREIGN PERFORMERS, BY REGION, COUNTRY, AND AGENCY: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

REGION AND COUNTRY	TOTAL	DEPARTMENT OF AGRICULTURE	DEPARTMENT OF DEFENSE	DEPARTMENT OF ENERGY	DEPARTMENT OF HEALTH AND HUMAN SERVICES	AGENCY FOR INTERNAT'L DEVELOP-MENT	NATIONAL SCIENCE FOUNDATION	OTHER
TOTAL	239,524	6,799	57,073	9,320	24,157	106,180	2,189	33,806
EUROPE, TOTAL	68,582	1,129	46,486	8,953	4,449	-	329	27,236
AUSTRIA	64	3	61	-	-	-	-	-
BELGIUM	508	-	300	-	208	-	-	-
DENMARK	305	-	65	-	220	-	-	20
FINLAND	266	-	-	-	266	-	-	-
FRANCE	25,120	487	268	-	53	-	-	24,312
IRELAND	126	-	126	-	-	-	-	-
ITALY	325	221	117	-	77	-	-	-
NETHERLANDS	552	308	100	-	144	-	-	-
NORWAY	3,052	-	2,552	-	-	-	-	500
PORTUGAL	31	-	31	-	-	-	-	-
SPAIN	287	-	258	-	29	-	-	-
SWEDEN	1,534	-	10	190	1,288	-	-	46
SWITZERLAND	485	-	202	40	243	-	-	-
UNITED KINGDOM, TOTAL	52,751	-	41,337	7,708	1,739	-	329	1,638
ENGLAND	46,906	-	36,327	7,657	1,294	-	-	1,627
SCOTLAND	697	-	417	51	229	-	-	-
BERMUDA	250	-	-	-	-	-	239	11
OTHER UNITED KINGDOM	4,899	-	4,593	-	216	-	90	-
WEST GERMANY	2,759	-	1,059	1,015	115	-	-	570
YUGOSLAVIA	190	-	-	-	40	-	-	150
OTHER EUROPE	27	-	-	-	27	-	-	-
ASIA, TOTAL	28,047	4,477	830	65	2,176	17,093	1,860	1,546
BURMA	5	5	-	-	-	-	-	-
INDIA	13,190	3,211	-	-	1,237	6,900	686	1,116
INDONESIA	1,760	-	-	-	-	1,760	-	-
JAPAN	776	120	-	-	547	-	-	109
SOUTH KOREA	204	-	127	65	12	-	-	-
MALAYSIA	703	-	703	-	-	-	-	-
PAKISTAN	2,449	974	-	-	-	-	1,174	321
PHILIPPINES	6,446	-	-	-	-	6,445	-	-
THAILAND	197	167	-	-	30	-	-	-
OTHER ASIA	2,328	-	-	-	350	1,988	-	-
NEAR EAST, TOTAL	8,395	-	1,183	104	3,898	3,000	-	210
EGYPT	2,724	-	11	-	713	2,000	-	-
GREECE	17	-	17	-	-	-	-	-
ISRAEL	4,625	-	1,134	104	3,177	-	-	210
TURKEY	21	-	21	-	-	-	-	-
OTHER NEAR EAST	1,008	-	-	-	8	1,000	-	-
AFRICA, TOTAL	21,063	191	303	-	135	20,434	-	-
KENYA	494	191	303	-	-	-	-	-
UNION OF SOUTH AFRICA	42	-	-	-	42	-	-	-
OTHER AFRICA	20,527	-	-	-	93	20,434	-	-
LATIN AMERICA, TOTAL	6,569	973	270	-	2,006	3,153	-	167
ARGENTINA	268	174	-	-	94	-	-	-
BRAZIL	15	-	15	-	-	-	-	-
CHILE	138	-	-	-	-	-	-	138
COSTA RICA	40	-	-	-	-	40	-	-
MEXICO	911	799	-	-	112	-	-	-
PANAMA	2,000	-	230	-	1,800	-	-	-
PERU	149	-	-	-	-	120	-	29
VENEZUELA	25	-	25	-	-	-	-	-
OTHER LATIN AMERICA	2,993	-	-	-	-	2,993	-	-
AUSTRALIA	2,714	-	136	-	1,502	-	-	1,076
CANADA	18,195	29	7,620	198	6,777	-	-	3,571
NEW ZEALAND	60	-	-	-	60	-	-	-
INTERNATIONAL ORGANIZATIONS	65,899	-	245	-	3,154	62,500	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-98. FEDERAL OBLIGATIONS FOR BASIC RESEARCH TO FOREIGN PERFORMERS, BY REGION, COUNTRY, AND AGENCY: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

REGION AND COUNTRY	TOTAL	DEPARTMENT OF AGRICULTURE	DEPARTMENT OF DEFENSE	DEPARTMENT OF HEALTH AND HUMAN SERVICES	NATIONAL SCIENCE FOUNDATION	NATIONAL AERONAUTICS AND SPACE ADMIN	OTHER
TOTAL	28,478	3,120	6,829	9,831	1,563	2,802	4,333
EUROPE, TOTAL	8,872	547	3,969	2,462	329	536	1,029
AUSTRIA	44	-	44	-	-	-	-
BELGIUM	276	-	96	180	-	-	-
DENMARK	241	-	65	170	-	6	-
FINLAND	139	-	-	139	-	-	-
FRANCE	382	236	140	6	-	-	-
IRELAND	95	-	95	-	-	-	-
ITALY	273	161	87	25	-	-	-
NETHERLANDS	280	180	100	-	-	-	-
NORWAY	150	-	150	-	-	-	-
PORTUGAL	31	-	31	-	-	-	-
SPAIN	34	-	5	29	-	-	-
SWEDEN	739	-	-	739	-	-	-
SWITZERLAND	288	-	172	116	-	-	-
UNITED KINGDOM, TOTAL	5,416	-	2,635	925	329	508	1,029
ENGLAND	4,773	-	2,344	852	-	508	1,029
SCOTLAND	279	-	279	-	-	-	-
BERMUDA	239	-	-	239	-	-	-
OTHER UNITED KINGDOM	123	-	-	33	90	-	-
WEST GERMANY	496	-	399	119	-	22	-
OTHER EUROPE	18	-	-	18	-	-	-
ASIA, TOTAL	6,996	1,983	127	358	1,234	14	3,280
BURMA	2	2	-	-	-	-	-
INDIA	4,327	1,413	-	269	356	-	2,291
JAPAN	95	38	-	23	-	14	-
SOUTH KOREA	139	-	127	12	-	-	-
PAKISTAN	1,324	429	-	-	878	-	17
PHILIPPINES	302	-	-	-	-	-	302
THAILAND	91	81	-	10	-	-	-
OTHER ASIA	714	-	-	44	-	-	670
NEAR EAST, TOTAL	2,783	-	924	1,832	-	3	24
EGYPT	11	-	11	-	-	-	-
GREECE	17	-	17	-	-	-	-
ISRAEL	2,740	-	841	1,832	-	3	24
TURKEY	15	-	15	-	-	-	-
AFRICA, TOTAL	96	93	-	3	-	-	-
KENYA	93	93	-	-	-	-	-
UNION OF SOUTH AFRICA	3	-	-	3	-	-	-
LATIN AMERICA, TOTAL	799	472	68	157	-	62	-
ARGENTINA	140	84	-	56	-	-	-
BRAZIL	15	-	15	-	-	-	-
CHILE	62	-	-	-	-	62	-
MEXICO	469	388	-	101	-	-	-
PANAMA	28	-	28	-	-	-	-
VENEZUELA	85	-	25	-	-	-	-
AUSTRALIA	1,292	-	61	946	-	285	-
CANADA	7,167	25	1,680	3,560	-	1,902	-
NEW ZEALAND	47	-	-	47	-	-	-
INTERNATIONAL ORGANIZATIONS	466	-	-	466	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-99. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT TO FOREIGN PERFORMERS AND AMOUNT SUPPORTED THROUGH THE SPECIAL FOREIGN CURRENCY PROGRAM, BY AGENCY: FISCAL YEARS 1983, 1984, AND 1985

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ACTUAL, 1983		ESTIMATES			
			1984		1985	
	TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM	TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM	TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM
TOTAL, ALL AGENCIES	239,524	9,444	192,265	23,099	266,275	15,990
DEPARTMENTS						
DEPARTMENT OF AGRICULTURE, TOTAL	6,799	4,190	11,192	8,315	8,279	5,000
AGRICULTURAL RESEARCH SERVICE	2,577	-	2,846	-	3,250	-
FOREST SERVICE	32	-	31	-	29	-
OFFICE OF INTERNATIONAL COOPERATION AND DEVELOPMENT	4,190	4,190	8,315	8,315	5,000	5,000
DEPARTMENT OF COMMERCE, TOTAL	386	39	1,410	1,270	819	579
NATIONAL BUREAU OF STANDARDS	28	-	-	-	-	-
NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION	319	-	140	-	240	-
OFFICE OF THE SECRETARY	39	39	1,270	1,270	579	579
DEPARTMENT OF DEFENSE, TOTAL	57,073	520	22,546	3,781	30,260	3,056
DEPARTMENT OF THE ARMY	8,453	520	8,720	15	9,017	1,467
DEPARTMENT OF THE NAVY	36,943	-	4,183	3,030	4,793	1,437
DEPARTMENT OF THE AIR FORCE	8,909	-	6,107	-	12,313	-
DEFENSE AGENCIES	2,768	-	3,536	736	4,137	152
DEPARTMENT OF EDUCATION	571	421	1,435	1,285	925	785
DEPARTMENT OF ENERGY	9,320	-	4,501	-	4,000	-
DEPARTMENT OF HEALTH AND HUMAN SERVICES, TOTAL	24,157	1,237	31,259	5,446	30,795	4,884
ALCOHOL, DRUG ABUSE & MENTAL HEALTH ADMINISTRATION	905	60	1,425	260	1,490	225
CENTERS FOR DISEASE CONTROL	241	8	328	100	303	75
FOOD & DRUG ADMINISTRATION	72	-	80	-	80	-
HUMAN DEVELOPMENT SERVICES	8	-	6	-	3	-
NATIONAL INSTITUTES OF HEALTH	22,707	945	28,035	3,741	27,479	3,384
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	224	224	1,395	1,395	1,200	1,200
DEPARTMENT OF THE INTERIOR, TOTAL	977	977	1,039	1,039	-	-
OFFICE OF THE SECRETARY	977	977	1,039	1,039	-	-
DEPARTMENT OF LABOR, TOTAL	10	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMINISTRATION	10	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	61	-	219	-	50	-
COAST GUARD	61	-	-	-	50	-
MARITIME ADMINISTRATION	-	-	219	-	-	-
OTHER AGENCIES						
AGENCY FOR INTERNATIONAL DEVELOPMENT	106,180	-	82,166	-	150,051	-
ENVIRONMENTAL PROTECTION AGENCY	200	200	200	200	200	-
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	30,163	-	32,700	-	37,800	-
NATIONAL SCIENCE FOUNDATION	2,189	1,860	2,195	1,763	2,106	1,684
NUCLEAR REGULATORY COMMISSION	1,438	-	1,443	-	1,020	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-100. FEDERAL OBLIGATIONS FOR BASIC RESEARCH TO FOREIGN PERFORMERS AND AMOUNT SUPPORTED THROUGH THE SPECIAL FOREIGN CURRENCY PROGRAM, BY AGENCY: FISCAL YEARS 1983, 1984, AND 1985

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ACTUAL, 1983		ESTIMATES			
			1984		1985	
	TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM	TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM	TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM
TOTAL, ALL AGENCIES	28,478	4,355	30,553	7,799	29,488	4,879
DEPARTMENTS						
DEPARTMENT OF AGRICULTURE, TOTAL	3,120	1,844	5,145	3,659	3,895	2,200
AGRICULTURAL RESEARCH SERVICE	1,251	-	1,461	-	1,671	-
FOREST SERVICE	25	-	25	-	24	-
OFFICE OF INTERNATIONAL COOPERATION AND DEVELOPMENT	1,844	1,844	3,659	3,659	2,200	2,200
DEPARTMENT OF COMMERCE, TOTAL	31	31	387	387	190	190
OFFICE OF THE SECRETARY	31	31	387	387	190	190
DEPARTMENT OF DEFENSE, TOTAL	6,829	-	5,493	-	6,269	-
DEPARTMENT OF THE ARMY	2,875	-	2,701	-	3,201	-
DEPARTMENT OF THE NAVY	1,626	-	142	-	163	-
DEPARTMENT OF THE AIR FORCE	2,048	-	2,250	-	2,500	-
DEFENSE AGENCIES	280	-	400	-	405	-
DEPARTMENT OF ENERGY	1,053	-	554	-	475	-
DEPARTMENT OF HEALTH AND HUMAN SERVICES, TOTAL	9,831	269	12,362	1,542	12,739	1,369
ALCOHOL, DRUG ABUSE & MENTAL HEALTH ADMINISTRATION	312	45	562	187	559	169
NATIONAL INSTITUTES OF HEALTH	9,295	-	10,445	-	10,980	-
OFFICE OF ASSISTANT SECRETARY FOR HEALTH	224	224	1,355	1,355	1,200	1,200
DEPARTMENT OF THE INTERIOR, TOTAL	977	977	1,039	1,039	-	-
OFFICE OF THE SECRETARY	977	977	1,039	1,039	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	-	-	219	-	-	-
MARITIME ADMINISTRATION	-	-	219	-	-	-
OTHER AGENCIES						
AGENCY FOR INTERNATIONAL DEVELOPMENT	2,272	-	520	-	600	-
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	2,802	-	3,270	-	3,780	-
NATIONAL SCIENCE FOUNDATION	1,563	1,234	1,564	1,172	1,540	1,120

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-101. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH TO FOREIGN PERFORMERS AND AMOUNT SUPPORTED THROUGH THE SPECIAL FOREIGN CURRENCY PROGRAM, BY AGENCY: FISCAL YEARS 1983, 1984, AND 1985

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ACTUAL, 1983		ESTIMATES			
			1984		1985	
	TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM	TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM	TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM
TOTAL, ALL AGENCIES	101,137	4,226	95,631	10,657	127,813	7,616
DEPARTMENTS						
DEPARTMENT OF AGRICULTURE, TOTAL	3,196	2,011	5,222	3,991	3,806	2,400
AGRICULTURAL RESEARCH SERVICE	1,178	-	1,225	-	1,401	-
FOREST SERVICE	7	-	6	-	5	-
OFFICE OF INTERNATIONAL COOPERATION AND DEVELOPMENT	2,011	2,011	3,991	3,991	2,400	2,400
DEPARTMENT OF COMMERCE, TOTAL	347	-	826	686	590	350
NATIONAL BUREAU OF STANDARDS	28	-	-	-	-	-
NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION	319	-	140	-	240	-
OFFICE OF THE SECRETARY	-	-	686	686	350	350
DEPARTMENT OF DEFENSE, TOTAL	5,973	-	6,990	-	7,640	-
DEPARTMENT OF THE ARMY	2,285	-	3,365	-	2,780	-
DEPARTMENT OF THE AIR FORCE	1,200	-	1,225	-	1,300	-
DEFENSE AGENCIES	2,488	-	2,400	-	3,580	-
DEPARTMENT OF EDUCATION	571	421	1,435	1,285	935	785
DEPARTMENT OF ENERGY	5,441	-	2,734	-	2,685	-
DEPARTMENT OF HEALTH AND HUMAN SERVICES, TOTAL	12,484	968	16,848	3,904	15,000	3,515
ALCOHOL, DRUG ABUSE & MENTAL HEALTH ADMINISTRATION	593	15	893	62	931	56
CENTERS FOR DISEASE CONTROL	241	8	328	100	303	75
FOOD & DRUG ADMINISTRATION	72	-	80	-	80	-
HUMAN DEVELOPMENT SERVICES	8	-	6	-	3	-
NATIONAL INSTITUTES OF HEALTH	11,570	945	15,541	3,741	13,683	3,384
DEPARTMENT OF LABOR, TOTAL	10	-	-	-	-	-
EMPLOYMENT AND TRAINING ADMINISTRATION	10	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	61	-	-	-	50	-
COAST GUARD	61	-	-	-	50	-
OTHER AGENCIES						
AGENCY FOR INTERNATIONAL DEVELOPMENT	68,141	-	56,072	-	91,521	-
ENVIRONMENTAL PROTECTION AGENCY	200	200	200	200	200	-
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	2,649	-	3,270	-	3,780	-
NATIONAL SCIENCE FOUNDATION	626	626	591	591	566	566
NUCLEAR REGULATORY COMMISSION	1,438	-	1,443	-	1,020	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-102. FEDERAL OBLIGATIONS FOR DEVELOPMENT TO FOREIGN PERFORMERS AND AMOUNT SUPPORTED THROUGH THE SPECIAL FOREIGN CURRENCY PROGRAM, BY AGENCY: FISCAL YEARS 1983, 1984, AND 1985

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ACTUAL, 1983		ESTIMATES			
			1984		1985	
	TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM	TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM	TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM
TOTAL, ALL AGENCIES	109,909	863	66,081	4,643	108,974	3,495
DEPARTMENTS						
DEPARTMENT OF AGRICULTURE, TOTAL	483	335	825	665	578	400
AGRICULTURAL RESEARCH SERVICE	148	-	160	-	178	-
OFFICE OF INTERNATIONAL COOPERATION AND DEVELOPMENT	335	335	665	665	400	400
DEPARTMENT OF COMMERCE, TOTAL	8	8	197	197	39	39
OFFICE OF THE SECRETARY	8	8	197	197	39	39
DEPARTMENT OF DEFENSE, TOTAL	44,271	520	10,063	3,781	16,331	3,096
DEPARTMENT OF THE ARMY	3,293	520	2,654	15	3,036	1,467
DEPARTMENT OF THE NAVY	35,317	-	4,041	3,030	4,630	1,437
DEPARTMENT OF THE AIR FORCE	5,661	-	2,632	-	8,513	-
DEFENSE AGENCIES	-	-	736	736	152	152
DEPARTMENT OF ENERGY	2,826	-	1,213	-	840	-
DEPARTMENT OF HEALTH AND HUMAN SERVICES, TOTAL	1,842	-	2,049	-	3,016	-
NATIONAL INSTITUTES OF HEALTH	1,842	-	2,049	-	3,016	-
OTHER AGENCIES						
AGENCY FOR INTERNATIONAL DEVELOPMENT	35,767	-	25,574	-	57,930	-
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	24,712	-	26,160	-	30,240	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-103. FEDERAL OBLIGATIONS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

GEOGRAPHIC DIVISION AND STATE	RESEARCH, DEVELOPMENT AND R&D PLANT	RESEARCH AND DEVELOPMENT	R&D PLANT
TOTAL	38,908,636	37,627,750	1,280,886
NEW ENGLAND	3,492,393	3,454,872	37,521
CONNECTICUT	748,783	743,331	5,452
MAINE	29,303	29,277	26
MASSACHUSETTS	2,343,724	2,314,273	29,451
NEW HAMPSHIRE	77,483	76,776	707
RHODE ISLAND	269,413	267,528	1,885
VERMONT	23,687	23,687	-
MIDDLE ATLANTIC	5,128,177	4,989,953	138,224
NEW JERSEY	1,335,448	1,293,441	42,007
NEW YORK	2,600,198	2,523,214	76,984
PENNSYLVANIA	1,192,531	1,173,298	19,233
EAST NORTH CENTRAL	2,598,275	2,505,941	92,334
ILLINOIS	647,802	567,454	80,348
INDIANA	214,905	213,554	1,351
MICHIGAN	412,584	412,176	1,080
OHIO	1,177,744	1,170,096	7,648
WISCONSIN	144,248	142,361	1,887
WEST NORTH CENTRAL	1,311,008	1,299,617	11,391
IOWA	97,930	95,211	2,719
KANSAS	97,615	97,386	229
MINNESOTA	448,946	448,180	766
MISSOURI	582,872	576,848	6,024
NEBRASKA	42,809	42,298	511
NORTH DAKOTA	28,161	27,249	912
SOUTH DAKOTA	12,675	12,445	230
SOUTH ATLANTIC	9,180,131	8,927,819	252,312
DELAWARE	20,847	20,432	415
DISTRICT OF COLUMBIA	1,220,769	1,196,119	24,650
FLORIDA	1,313,510	1,276,022	37,488
GEORGIA	239,281	237,183	2,098
MARYLAND	3,493,280	3,412,369	80,911
NORTH CAROLINA	316,551	312,478	4,073
SOUTH CAROLINA	154,223	104,630	49,593
VIRGINIA	2,315,921	2,286,123	29,798
WEST VIRGINIA	105,749	82,463	23,286
EAST SOUTH CENTRAL	1,426,293	1,386,000	40,293
ALABAMA	677,781	671,670	6,111
KENTUCKY	93,469	93,085	384
MISSISSIPPI	192,225	185,759	6,466
TENNESSEE	462,818	435,486	27,332
WEST SOUTH CENTRAL	1,708,362	1,698,411	9,951
ARKANSAS	32,865	31,365	1,500
LOUISIANA	189,036	186,591	2,445
OKLAHOMA	69,143	67,870	1,273
TEXAS	1,417,318	1,412,585	4,733
MOUNTAIN	4,208,146	3,913,118	295,028
ARIZONA	474,767	469,323	5,444
COLORADO	480,638	436,220	44,418
IDAHO	243,059	223,359	19,700
MONTANA	35,194	35,041	153
NEVADA	680,047	647,069	32,978
NEW MEXICO	1,996,652	1,804,860	191,792
UTAH	269,329	268,869	460
WYOMING	28,460	28,377	83
PACIFIC	9,771,432	9,369,009	402,443
ALASKA	61,742	40,404	21,338
CALIFORNIA	8,808,658	8,439,931	368,727
HAWAII	71,486	71,368	118
OREGON	108,131	107,972	209
WASHINGTON	721,385	709,334	12,051
OUTLYING AREAS	32,244	32,032	212
OFFICES ABROAD	52,155	50,978	1,177

NOTE: THE OBLIGATIONS OF THE TEN MAJOR R&D SUPPORTING AGENCIES INCLUDED IN THIS TABLE REPRESENT MORE THAN 97 PERCENT OF TOTAL FEDERAL R&D AND R&D PLANT OBLIGATIONS IN FY 1983.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-104. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY STATE AND PERFORMER: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

STATE (IN ORDER OF TOTAL FEDERAL R&D OBLIGATIONS)	TOTAL	FEDERAL INTRAMURAL 1/	EXTRAMURAL						
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NONPROFIT INSTITUTIONS	FFRDCS ADMIN BY NONPROFIT INSTITUTIONS	STATE AND LOCAL GOVTS
TOTAL	37,627,750	10,211,094	17,085,279	1,385,805	4,842,584	2,232,252	1,127,859	562,888	179,989
CALIFORNIA	8,439,931	1,143,229	5,154,605	36,479	753,683	887,279	186,093	258,259	20,304
MARYLAND	3,412,369	2,149,351	765,018	31,155	197,013	222,639	44,396	193	2,604
NEW YORK	2,523,214	57,685	1,486,647	162,356	547,920	137,286	98,143	-	33,177
MASSACHUSETTS	2,314,273	147,282	1,208,470	203	440,034	61,159	262,798	187,475	6,852
VIRGINIA	2,284,123	734,397	1,391,010	-	73,194	15,700	47,639	19,870	4,313
NEW MEXICO	1,804,860	716,293	206,770	427,715	27,689	401,236	22,966	-	2,191
TEXAS	1,412,585	229,079	903,401	-	235,056	-	36,787	-	8,262
NEW JERSEY	1,293,441	548,834	544,660	200	66,145	123,208	6,330	-	4,064
FLORIDA	1,274,022	339,614	827,714	-	91,734	-	12,333	-	4,627
DISTRICT OF COLUMBIA	1,196,119	990,023	79,467	-	57,246	-	61,542	666	7,175
PENNSYLVANIA	1,173,298	262,172	403,577	182,977	259,534	-	62,423	-	2,615
OHIO	1,170,096	297,152	701,113	5,117	120,313	-	43,173	-	3,228
CONNECTICUT	743,331	170,401	416,757	28,400	118,203	-	6,035	-	3,535
WASHINGTON	709,334	94,546	298,668	109,483	129,522	-	23,592	49,676	3,847
ALABAMA	671,670	407,454	195,226	-	53,722	-	12,909	-	2,359
NEVADA	647,069	366,287	270,828	1,300	7,240	-	99	-	1,315
MISSOURI	576,848	31,796	446,510	-	87,177	-	9,291	-	2,074
ILLINOIS	567,454	54,819	41,497	100	206,893	229,931	30,053	-	3,961
ARIZONA	469,323	234,230	167,206	-	50,802	11,855	1,696	-	3,534
MINNESOTA	448,180	27,310	316,935	-	74,696	-	27,407	-	1,832
COLORADO	436,220	91,848	166,343	328	86,137	32,849	11,503	42,384	4,828
TENNESSEE	435,486	15,325	106,538	222,746	70,935	8,929	9,816	-	1,197
MICHIGAN	412,476	56,478	185,094	-	137,637	-	28,077	-	5,190
NORTH CAROLINA	312,478	108,477	50,504	-	140,524	-	11,717	-	1,256
UTAH	268,869	45,968	137,818	-	82,628	-	872	-	1,583
RHODE ISLAND	267,528	201,789	23,921	-	33,652	-	7,481	-	685
GEORGIA	237,183	64,627	66,048	-	86,438	-	16,497	-	3,573
IDAHO	223,359	9,557	14,887	126,155	6,350	62,847	847	-	2,716
INDIANA	213,564	49,483	84,914	-	76,972	-	1,483	-	702
LOUISIANA	186,591	35,481	108,954	-	36,551	-	2,634	-	2,971
MISSISSIPPI	185,759	140,602	25,717	-	18,284	-	27	-	1,129
WISCONSIN	142,361	20,315	5,975	1,263	109,570	-	3,683	-	1,555
OREGON	107,972	31,464	5,964	-	56,648	-	9,595	-	4,301
SOUTH CAROLINA	104,630	9,532	18,508	49,627	25,048	-	779	-	1,136
KANSAS	97,386	8,028	61,321	-	25,073	1,190	980	-	794
IOWA	95,211	15,135	11,392	-	54,058	13,784	187	-	655
KENTUCKY	93,085	23,975	46,685	-	19,684	-	234	-	2,507
WEST VIRGINIA	82,463	48,900	413	-	11,959	15,900	103	4,365	823
NEW HAMPSHIRE	76,776	24,985	31,194	-	19,399	-	96	-	1,102
HAWAII	71,368	29,365	5,411	-	27,227	-	8,400	-	965
OKLAHOMA	67,870	28,737	11,778	201	20,583	-	4,889	-	1,682
NEBRASKA	42,298	10,253	16,469	-	14,365	-	357	-	854
ALASKA	40,404	22,654	5,403	-	8,643	-	71	-	3,633
MONTANA	35,041	16,312	8,246	-	7,448	-	521	-	2,514
ARKANSAS	31,365	16,768	2,466	-	10,421	-	160	-	1,550
MAINE	29,277	2,261	10,103	-	5,775	-	8,865	-	2,273
WYOMING	28,377	19,392	238	-	7,720	-	-	-	1,027
NORTH DAKOTA	27,249	18,611	2,530	-	4,857	-	147	-	1,104
VERMONT	23,687	1,891	6,206	-	14,078	-	910	-	602
DELAWARE	20,432	1,050	9,477	-	8,722	-	896	-	287
SOUTH DAKOTA	12,445	6,516	1,163	-	4,112	-	-	-	654
OUTLYING AREAS	32,032	19,048	122	-	11,441	-	3	-	1,418
OFFICES ABROAD	50,978	14,313	27,198	-	1,829	6,460	324	-	854

1/ FEDERAL INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

NOTE: THE OBLIGATIONS OF THE TEN MAJOR R&D SUPPORTING AGENCIES INCLUDED IN THIS TABLE REPRESENT MORE THAN 97 PERCENT OF TOTAL FEDERAL R&D OBLIGATIONS IN FY 1983.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-104A. PERCENT DISTRIBUTION OF FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT TO EACH PERFORMER, BY STATE: FISCAL YEAR 1983

STATE (IN ORDER OF TOTAL FEDERAL R&D OBLIGATIONS)	TOTAL	FEDERAL INTRAMURAL 1/	EXTRAMURAL						
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NONPROFIT INSTITUTIONS	STATE AND LOCAL GOVTS
TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
CALIFORNIA	22.4	11.2	30.2	2.6	15.6	39.7	16.5	45.9	11.3
MARYLAND	9.1	21.0	4.5	2.2	4.1	10.0	3.9	*	1.4
NEW YORK	6.7	.6	8.7	11.7	11.3	6.2	8.7	-	18.4
MASSACHUSETTS	6.2	1.4	7.1	*	9.1	2.7	23.3	33.3	3.8
VIRGINIA	6.1	7.2	8.1	-	1.5	.7	4.2	3.5	2.4
NEW MEXICO	4.8	7.0	1.2	30.9	.6	18.0	2.0	-	1.2
TEXAS	3.8	2.2	5.3	-	4.9	-	3.3	-	4.6
NEW JERSEY	3.4	5.4	3.2	*	1.4	5.5	.6	-	2.3
FLORIDA	3.4	3.3	4.8	-	1.9	-	1.1	-	2.6
DISTRICT OF COLUMBIA	3.2	9.7	.5	-	1.2	-	5.5	.2	4.0
PENNSYLVANIA	3.1	2.6	2.4	13.2	5.4	-	5.5	-	1.5
OHIO	3.1	2.9	4.1	.4	2.5	-	3.8	-	1.8
CONNECTICUT	2.0	1.7	2.4	2.0	2.4	-	.5	-	2.0
WASHINGTON	1.9	.9	1.7	7.9	2.7	-	2.1	8.8	2.1
ALABAMA	1.8	4.0	1.1	-	1.1	-	1.1	-	1.3
NEVADA	1.7	3.6	1.6	.1	.1	-	*	-	.7
MISSOURI	1.5	.3	2.6	-	1.8	-	.8	-	1.2
ILLINOIS	1.5	.5	.2	*	4.3	10.3	2.7	-	2.2
ARIZONA	1.2	2.3	1.0	-	1.0	.5	.2	-	2.0
MINNESOTA	1.2	.3	1.9	-	1.5	-	2.4	-	1.0
COLORADO	1.2	.9	1.0	*	1.8	1.5	1.0	7.5	2.7
TENNESSEE	1.2	.2	.6	16.1	1.5	.4	.9	-	.7
MICHIGAN	1.1	.6	1.1	-	2.8	-	2.5	-	2.9
NORTH CAROLINA	.8	1.1	.3	-	2.9	-	1.0	-	.7
UTAH	.7	.5	.8	-	1.7	-	.1	-	.9
RHODE ISLAND	.7	2.0	.1	-	.7	-	.7	-	.4
GEORGIA	.6	.6	.4	-	1.8	-	1.5	-	2.0
IDAHO	.6	.1	.1	9.1	.1	2.8	.1	-	1.5
INDIANA	.6	.5	.5	-	1.6	-	.1	-	.4
LOUISIANA	.5	.3	.6	-	.8	-	.2	-	1.7
MISSISSIPPI	.5	1.4	.2	-	.4	-	*	-	.6
WISCONSIN	.4	.2	*	.1	2.3	-	.3	-	.9
OREGON	.3	.3	*	-	1.2	-	.9	-	2.4
SOUTH CAROLINA	.3	.1	.1	3.6	.5	-	.1	-	.6
KANSAS	.3	.1	.4	-	.5	.1	.1	-	.4
IOWA	.3	.1	.1	-	1.1	.6	*	-	.4
KENTUCKY	.2	.2	.3	-	.4	-	*	-	1.4
WEST VIRGINIA	.2	.5	*	-	.2	.7	*	.8	.5
NEW HAMPSHIRE	.2	.2	.2	-	.4	-	*	-	.6
HAWAII	.2	.3	*	-	.6	-	.7	-	.5
OKLAHOMA	.2	.3	.1	*	.4	-	.4	-	.9
NEBRASKA	.1	.1	.1	-	.3	-	*	-	.5
ALASKA	.1	.2	*	-	.2	-	*	-	2.0
MONTANA	.1	.2	*	-	.2	-	*	-	1.4
ARKANSAS	.1	.2	*	-	.2	-	*	-	.9
MAINE	.1	*	.1	-	.1	-	.8	-	1.3
WYOMING	.1	.2	*	-	.2	-	-	-	.6
NORTH DAKOTA	.1	.2	*	-	.1	-	*	-	.6
VERMONT	.1	*	*	-	.3	-	.1	-	.3
DELAWARE	.1	*	.1	-	.2	-	.1	-	.2
SOUTH DAKOTA	*	.1	*	-	.1	-	-	-	.4
OUTLYING AREAS	.1	.2	*	-	.2	-	*	-	.8
OFFICES ABROAD	.1	.1	.2	-	*	.3	*	-	.5

1/ FEDERAL INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

* PERCENTAGE LESS THAN .05%.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-1048. PERCENT DISTRIBUTION OF FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT TO EACH STATE, BY PERFORMER: FISCAL YEAR 1983

STATE (IN ORDER OF TOTAL FEDERAL R&D OBLIGATIONS)	TOTAL	FEDERAL INTRAMURAL 1/	EXTRAMURAL						
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NONPROFIT INSTITUTIONS	FFRDCS ADMIN BY NONPROFIT INSTITUTIONS	STATE AND LOCAL GOVTS
TOTAL	100.0%	27.1%	45.4%	3.7%	12.9%	5.9%	3.0%	1.9%	0.5%
CALIFORNIA	100.0	13.5	61.1	.5	8.9	10.5	2.2	3.1	.2
MARYLAND	100.0	63.0	22.4	.9	5.8	6.5	1.3	*	.1
NEW YORK	100.0	2.3	58.9	6.4	21.7	5.4	3.9	-	1.3
MASSACHUSETTS	100.0	6.4	52.2	*	19.0	2.6	11.4	8.1	.3
VIRGINIA	100.0	32.1	60.8	-	3.2	.7	2.1	.9	.2
NEW MEXICO	100.0	39.7	11.5	23.7	1.5	22.2	1.3	-	.1
TEXAS	100.0	16.2	64.0	-	16.6	-	2.4	-	.6
NEW JERSEY	100.0	42.4	42.1	*	5.1	9.5	.5	-	.3
FLORIDA	100.0	26.6	64.9	-	7.2	-	1.0	-	.4
DISTRICT OF COLUMBIA	100.0	82.8	6.6	-	4.8	-	5.1	.1	.6
PENNSYLVANIA	100.0	22.3	34.4	15.6	22.1	-	5.3	-	.2
OHIO	100.0	25.4	39.9	.4	10.3	-	3.7	-	.2
CONNECTICUT	100.0	22.9	56.1	3.8	15.9	-	.8	-	.5
WASHINGTON	100.0	13.3	42.1	15.4	18.3	-	3.3	7.0	.5
ALABAMA	100.0	60.7	29.1	-	8.0	-	1.9	-	.4
NEVADA	100.0	56.6	41.9	.2	1.1	-	*	-	.2
MISSOURI	100.0	5.5	77.4	-	15.1	-	1.6	-	.4
ILLINOIS	100.0	9.7	7.3	*	36.5	40.5	5.3	-	.7
ARIZONA	100.0	49.9	35.6	-	10.8	2.5	.4	-	.5
MINNESOTA	100.0	6.1	70.7	-	16.7	-	6.1	-	.4
COLORADO	100.0	21.1	38.1	.1	19.7	7.5	2.6	9.7	1.1
TENNESSEE	100.0	3.5	24.5	51.1	16.3	2.1	2.3	-	.3
MICHIGAN	100.0	13.7	44.9	-	33.4	-	6.8	-	1.3
NORTH CAROLINA	100.0	34.7	16.2	-	45.0	-	3.7	-	.4
UTAH	100.0	17.1	51.3	-	30.7	-	.3	-	.6
RHODE ISLAND	100.0	75.4	8.9	-	12.6	-	2.8	-	.3
GEORGIA	100.0	27.2	27.8	-	36.4	-	7.0	-	1.5
IDAHO	100.0	4.3	6.7	56.5	2.8	28.1	.4	-	1.2
INDIANA	100.0	23.2	39.8	-	34.0	-	.7	-	.3
LOUISIANA	100.0	19.0	58.4	-	19.6	-	1.4	-	1.6
MISSISSIPPI	100.0	75.7	13.8	-	9.8	-	*	-	.6
WISCONSIN	100.0	14.3	4.2	.9	77.0	-	2.6	-	1.1
OREGON	100.0	29.1	5.5	-	52.5	-	8.9	-	4.0
SOUTH CAROLINA	100.0	9.1	17.7	47.4	23.9	-	.7	-	1.1
KANSAS	100.0	8.2	63.0	-	25.7	1.2	1.0	-	.8
IOWA	100.0	15.9	12.0	-	56.8	14.5	.2	-	.7
KENTUCKY	100.0	25.8	50.2	-	21.1	-	.3	-	2.7
WEST VIRGINIA	100.0	69.3	.5	-	14.5	19.3	.1	5.3	1.0
NEW HAMPSHIRE	100.0	32.5	40.6	-	25.3	-	.1	-	1.4
HAWAII	100.0	41.1	7.6	-	38.2	-	11.8	-	1.4
OKLAHOMA	100.0	42.3	17.4	.3	30.3	-	7.2	-	2.5
NEBRASKA	100.0	24.2	38.9	-	34.0	-	.8	-	2.0
ALASKA	100.0	56.1	13.4	-	21.4	-	.2	-	9.0
MONTANA	100.0	44.6	23.5	-	21.3	-	1.5	-	7.2
ARKANSAS	100.0	53.5	7.9	-	33.2	-	.5	-	4.9
MAINE	100.0	7.7	34.5	-	19.7	-	30.3	-	7.8
WYOMING	100.0	68.3	.8	-	27.2	-	-	-	3.6
NORTH DAKOTA	100.0	68.3	9.3	-	17.8	-	.5	-	4.1
VERMONT	100.0	8.0	26.2	-	59.4	-	3.8	-	2.5
DELAWARE	100.0	5.1	44.4	-	42.7	-	4.4	-	1.4
SOUTH DAKOTA	100.0	52.4	9.3	-	33.0	-	-	-	5.3
OUTLYING AREAS	100.0	59.5	.4	-	35.7	-	*	-	4.4
OFFICES ABROAD	100.0	28.1	53.4	-	3.6	12.7	.6	-	1.7

1/ FEDERAL INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

* PERCENTAGE LESS THAN .05%.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-105. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY STATE AND AGENCY: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

STATE (IN ORDER OF TOTAL FEDERAL R&D OBLIGATIONS)	TOTAL	DEPT OF AGRI-CULTURE	DEPT OF COMMERCE	DEPT OF DEFENSE	DEPT OF ENERGY	DEPT OF HEALTH & HUMAN SERVICES	DEPT OF THE INTERI-OR	DEPT OF TRANS-POR-TATION	ENVIRON-MENTAL PROTEC-TION AGENCY	NATIONAL AERO-NAUTICS & SPACE ADMIN	NATIONAL SCIENCE FOUNDA-TION
TOTAL	37,627,750	840,806	334,604	22,935,716	4,527,362	4,328,373	381,496	347,667	240,509	2,631,416	1,059,801
CALIFORNIA	8,439,931	54,125	13,233	6,001,252	853,581	483,831	40,429	34,755	27,377	774,416	156,932
MARYLAND	3,412,369	82,382	118,777	1,835,186	41,012	1,004,223	15,727	34,179	7,598	252,312	20,973
NEW YORK	2,523,214	22,586	4,000	1,573,172	108,647	460,121	5,563	11,879	3,566	26,031	107,649
MASSACHUSETTS	2,314,273	18,298	12,145	1,651,991	99,369	336,110	4,578	35,305	12,942	55,110	88,425
VIRGINIA	2,286,123	6,568	5,915	1,960,100	18,821	59,749	19,334	33,163	14,376	157,215	10,882
NEW MEXICO	1,804,860	3,644	353	947,540	815,914	12,425	6,048	1,398	511	11,673	5,654
TEXAS	1,412,585	43,514	5,005	849,684	24,736	150,456	6,312	24,351	11,992	270,584	25,951
NEW JERSEY	1,293,441	3,014	13,495	1,007,829	173,554	31,152	3,874	17,251	748	12,179	30,345
FLORIDA	1,276,022	21,635	23,862	807,682	8,827	44,837	4,769	3,857	6,072	336,481	18,000
DISTRICT OF COLUMBIA	1,196,119	77,301	8,157	559,639	102,891	89,282	31,563	47,743	18,408	121,637	139,498
PENNSYLVANIA	1,173,298	27,015	939	512,325	340,354	199,518	22,061	5,864	3,688	22,663	38,871
OHIO	1,170,096	11,545	740	762,158	102,080	118,283	3,438	10,154	28,750	115,047	17,901
CONNECTICUT	743,331	4,157	1,756	545,832	39,007	93,987	1,754	8,073	2,125	33,533	13,107
WASHINGTON	709,334	16,524	36,581	325,274	185,327	96,309	11,966	10,050	586	5,125	21,592
ALABAMA	671,670	10,273	1,086	422,637	9,562	46,956	5,293	3,260	1,143	169,262	2,298
NEVADA	647,069	1,997	262	362,709	266,804	857	7,541	150	5,652	319	678
MISSOURI	576,844	19,164	481	466,719	2,296	71,400	10,471	1,858	614	3,041	6,806
ILLINOIS	567,454	27,763	914	81,180	257,155	126,453	4,550	5,562	4,344	9,682	49,851
ARIZONA	469,323	12,763	32	389,070	1,433	21,913	6,226	2,200	452	9,425	25,809
MINNESOTA	448,180	13,966	451	319,040	5,568	79,095	9,837	1,181	5,651	2,391	12,000
COLORADO	436,220	16,555	42,590	135,834	52,324	48,066	39,826	17,523	2,495	31,922	49,085
TENNESSEE	435,486	7,119	186	13,887	333,930	57,424	2,308	1,609	8,830	3,590	6,603
MICHIGAN	412,476	11,562	4,061	239,480	18,114	84,609	8,068	5,744	1,200	7,410	32,228
NORTH CAROLINA	312,478	18,743	3,805	63,089	5,278	156,393	2,765	910	41,353	5,044	15,098
UTAH	268,869	8,889	89	146,645	6,313	28,588	9,961	429	380	59,170	8,405
RHODE ISLAND	267,528	1,317	1,867	227,521	2,540	14,423	747	352	4,446	968	13,347
GEORGIA	237,183	31,601	1,061	99,750	4,010	69,342	2,460	2,110	4,711	10,273	9,865
IDAHO	223,399	10,091	47	3,301	199,397	437	9,398	169	-	146	373
INDIANA	213,554	8,850	291	129,891	8,880	32,066	1,713	1,788	974	5,063	24,038
LOUISIANA	186,591	31,033	1,921	35,494	5,208	27,097	2,789	2,008	178	77,500	3,363
MISSISSIPPI	185,759	24,737	5,984	133,388	2,507	6,464	1,439	1,021	433	8,722	1,064
WISCONSIN	142,361	23,557	1,615	9,905	8,709	65,582	5,399	292	2,191	5,914	19,197
OREGON	107,972	20,180	2,324	8,741	10,525	30,913	11,998	1,092	6,732	1,765	13,702
SOUTH CAROLINA	104,630	10,804	2,157	5,221	66,395	12,348	1,990	826	255	223	4,411
KANSAS	97,386	6,957	57	58,053	7,632	13,233	685	700	443	5,711	3,915
IOWA	95,211	19,898	156	17,296	12,990	33,801	1,346	380	628	3,830	4,886
KENTUCKY	93,085	9,588	66	14,515	42,155	19,290	2,109	691	2,072	654	1,945
WEST VIRGINIA	82,463	10,428	60	277	33,864	12,636	7,809	171	208	23	16,987
NEW HAMPSHIRE	76,776	3,031	112	54,229	858	8,489	1,520	395	239	4,577	3,326
HAWAII	71,368	5,237	5,814	30,448	6,701	9,032	2,799	304	242	5,249	5,542
OKLAHOMA	67,870	10,653	2,525	11,586	9,772	10,718	1,770	12,376	3,889	1,698	2,883
NEBRASKA	42,298	13,660	117	16,829	375	6,594	1,105	450	-	324	2,844
ALASKA	40,404	4,786	5,499	11,426	268	407	12,015	609	-	1,506	3,888
MONTANA	35,041	9,715	99	536	9,409	7,215	5,222	162	609	77	1,997
ARKANSAS	31,365	7,511	321	908	1,743	16,682	1,915	555	343	25	1,362
MAINE	29,277	3,301	1,068	8,494	854	8,131	1,872	1,755	84	373	3,345
WYOMING	28,377	2,873	27	1,449	14,851	857	5,024	294	518	506	1,978
NORTH DAKOTA	27,249	15,107	373	2,559	3,673	820	4,029	460	-	-	228
VERMONT	23,687	2,393	77	7,245	276	12,133	671	86	-	78	728
DELAWARE	20,432	2,580	1,086	9,322	290	2,447	320	416	73	563	3,335
SOUTH DAKOTA	12,445	4,442	27	13	195	725	5,961	102	219	386	375
OUTLYING AREAS	32,032	8,253	838	16,137	390	4,454	1,129	55	-	-	776
OFFICES ABROAD	50,978	3,121	-	41,228	-	-	-	-	169	-	6,460

NOTE: THE OBLIGATIONS OF THE TEN MAJOR R&D SUPPORTING AGENCIES INCLUDED IN THIS TABLE REPRESENT MORE THAN 97 PERCENT OF TOTAL FEDERAL R&D OBLIGATIONS IN FY 1983.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-105A. PERCENT DISTRIBUTION OF FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT OF EACH AGENCY, BY STATE: FISCAL YEAR 1983

STATE (IN ORDER OF TOTAL FEDERAL R&D OBLIGATIONS)	TOTAL	DEPT OF AGRICULTURE	DEPT OF COMMERCE	DEPT OF DEFENSE	DEPT OF ENERGY	DEPT OF HEALTH & HUMAN SERVICES	DEPT OF THE INTERIOR	DEPT OF TRANSPORTATION	ENVIRONMENTAL PROTECTION AGENCY	NATIONAL AERONAUTICS & SPACE ADMIN	NATIONAL SCIENCE FOUNDATION
TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
CALIFORNIA	22.4	6.4	4.0	26.2	18.9	11.2	10.6	10.0	11.4	29.4	14.8
MARYLAND	9.1	9.8	35.5	8.0	.9	23.2	4.1	9.8	3.2	9.6	2.0
NEW YORK	6.7	2.7	1.2	6.9	6.8	10.6	1.5	2.4	1.5	1.0	10.2
MASSACHUSETTS	6.2	2.2	3.6	7.2	2.2	7.8	1.2	10.2	5.4	2.1	8.3
VIRGINIA	6.1	.9	1.8	8.5	.4	1.4	5.1	9.5	6.0	6.0	1.0
NEW MEXICO	4.8	.4	.1	4.1	18.0	.3	1.6	.3	.2	.4	.5
TEXAS	3.8	5.2	1.5	3.7	.5	3.5	1.7	7.0	5.0	10.3	2.4
NEW JERSEY	3.4	.4	4.0	4.4	3.8	.7	1.0	5.0	.3	.5	2.9
FLORIDA	3.4	2.6	7.1	3.5	.2	1.0	1.3	1.1	2.5	12.8	1.7
DISTRICT OF COLUMBIA	3.2	9.2	2.4	2.4	2.3	2.1	8.3	13.7	7.7	4.6	13.2
PENNSYLVANIA	3.1	3.2	.3	2.2	7.5	4.6	5.8	1.7	1.5	.9	3.7
OHIO	3.1	1.4	.2	3.3	2.3	2.7	.9	2.9	12.0	4.4	1.7
CONNECTICUT	2.0	.5	.5	2.4	.9	2.2	.5	2.3	.9	1.3	1.2
WASHINGTON	1.9	2.0	10.9	1.4	4.1	2.2	3.1	2.9	.2	.2	2.0
ALABAMA	1.8	.2	.3	1.8	.2	1.1	1.4	.9	.5	6.4	.2
NEVADA	1.7	.2	.1	1.6	5.9	*	2.0	*	2.4	*	.1
MISSOURI	1.5	1.6	.1	2.0	.1	1.6	2.7	.5	.3	.1	.6
ILLINOIS	1.5	3.3	.3	.4	5.7	2.9	1.2	1.6	1.8	.4	4.7
ARIZONA	1.2	1.2	*	1.7	*	.5	1.6	.6	.2	.4	2.4
MINNESOTA	1.2	1.7	.1	1.4	.1	1.8	2.6	.3	2.3	.1	1.0
COLORADO	1.2	2.0	12.7	.6	1.2	1.1	10.4	5.0	1.0	1.2	4.6
TENNESSEE	1.2	.8	.1	.1	7.4	1.3	.6	.5	3.7	.1	.6
MICHIGAN	1.1	1.4	1.2	1.0	.4	2.0	2.1	1.7	.5	.3	3.0
NORTH CAROLINA	.8	2.2	1.1	.3	.1	3.6	.7	.3	17.2	.2	1.4
UTAH	.8	1.1	*	.7	.1	.7	2.6	.1	.2	2.2	.8
RHODE ISLAND	.7	.2	.6	1.0	.1	.3	.2	.1	1.8	*	1.3
GEORGIA	.6	3.8	.3	.4	.1	1.6	1.2	.6	2.0	.4	.9
IDAHO	.6	1.2	*	*	4.4	*	2.5	*	-	*	*
INDIANA	.6	1.1	.1	.6	.2	.7	.4	.5	.4	.2	2.3
LOUISIANA	.5	3.7	.6	.2	.1	.6	.7	.6	.1	2.9	.3
MISSISSIPPI	.5	2.9	1.8	.6	.1	.1	.4	.3	.2	.3	.1
WISCONSIN	.4	2.8	.5	*	.2	1.5	1.4	.1	.9	.2	1.8
OREGON	.3	2.4	.7	*	.2	.7	3.1	.3	2.8	.1	1.3
SOUTH CAROLINA	.3	1.3	.6	*	1.5	.3	.5	.2	.1	*	.4
KANSAS	.3	.8	*	.3	.2	.3	.2	.2	.2	.2	.4
IOWA	.3	2.4	*	.1	.3	.8	.4	.1	.3	.1	.5
KENTUCKY	.2	1.1	*	.1	.9	.4	.6	.2	.9	*	.2
WEST VIRGINIA	.2	1.2	*	*	.7	.3	2.0	*	.1	*	1.6
NEW HAMPSHIRE	.2	.4	*	.2	*	.2	.4	.1	.1	.2	.3
HAWAII	.2	.6	1.7	.1	.1	.2	.7	.1	.1	.2	.5
OKLAHOMA	.2	1.3	.8	.1	.2	.2	.5	3.6	1.6	.1	.3
NEBRASKA	.1	1.6	*	.1	*	.2	.3	.1	-	*	.3
ALASKA	.1	.6	1.6	*	*	*	3.1	.2	-	.1	.4
MONTANA	.1	1.2	*	*	.2	.2	1.4	*	.3	*	.2
ARKANSAS	.1	.9	.1	*	*	.4	.5	.2	.1	*	.1
MAINE	.1	.4	.3	*	*	.2	.5	.5	*	*	.3
WYOMING	.1	.3	*	*	.3	*	1.3	.1	.2	*	.2
NORTH DAKOTA	.1	1.8	.1	*	.1	*	1.1	.1	-	-	*
VERMONT	.1	.3	*	*	*	.3	.2	*	-	*	.1
DELAWARE	.1	.3	.3	*	*	.1	.1	.1	*	*	.3
SOUTH DAKOTA	*	.5	*	*	*	*	1.6	*	.1	*	*
OUTLYING AREAS	.1	1.0	.3	.1	*	.1	.3	*	-	-	.1
OFFICES ABROAD	.1	.4	-	.2	-	-	-	-	.1	-	.6

* PERCENTAGE LESS THAN .05%.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-105B. PERCENT DISTRIBUTION OF FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT OF EACH STATE, BY AGENCY: FISCAL YEAR 1983

STATE (IN ORDER OF TOTAL FEDERAL R&D OBLIGATIONS)	TOTAL	DEPT OF AGRICULTURE	DEPT OF COMMERCE	DEPT OF DEFENSE	DEPT OF ENERGY	DEPT OF HEALTH & HUMAN SERVICES	DEPT OF THE INTERIOR	DEPT OF TRANSPORTATION	ENVIRONMENTAL PROTECTION AGENCY	NATIONAL AERONAUTICS & SPACE ADMIN	NATIONAL SCIENCE FOUNDATION
TOTAL	100.0%	2.2%	0.9%	41.0%	12.0%	11.5%	1.0%	0.9%	0.6%	7.0%	2.8%
CALIFORNIA	100.0	.6	.2	71.1	10.1	5.7	.5	.4	.3	9.2	1.9
MARYLAND	100.0	2.4	3.5	53.8	1.2	29.4	.5	1.0	.2	7.4	.6
NEW YORK	100.0	.9	.2	62.3	12.2	18.2	.2	.5	.1	1.0	4.3
MASSACHUSETTS	100.0	.8	.6	71.4	4.3	14.5	.2	1.5	.1	2.4	3.8
VIRGINIA	100.0	.3	.3	85.7	.8	2.6	.8	1.5	.6	6.9	.5
NEW MEXICO	100.0	.2	*	52.5	45.2	.7	.3	.1	*	.6	.3
TEXAS	100.0	3.1	.4	60.2	1.8	10.7	.4	1.7	.8	19.2	1.8
NEW JERSEY	100.0	.5	1.0	77.9	13.4	2.4	.3	1.3	.1	.9	2.3
FLORIDA	100.0	1.7	1.9	63.3	.7	3.5	.4	.3	.5	26.4	1.4
DISTRICT OF COLUMBIA	100.0	6.5	.7	46.8	8.6	7.5	2.6	4.0	1.5	10.2	1.7
PENNSYLVANIA	100.0	2.3	.1	43.7	29.0	17.0	1.9	.5	.3	1.9	3.3
OHIO	100.0	1.0	.1	65.1	8.7	10.1	.3	.9	2.5	9.8	1.5
CONNECTICUT	100.0	.6	.2	73.4	5.2	12.6	.2	1.1	.3	4.5	1.8
WASHINGTON	100.0	2.3	5.2	45.9	26.1	13.6	1.7	1.4	.1	.7	3.0
ALABAMA	100.0	1.5	.2	62.9	1.4	7.0	.8	.5	.2	25.2	.3
NEVADA	100.0	.3	.1	56.1	41.2	.1	1.2	*	.9	*	.1
MISSOURI	100.0	2.3	.1	80.9	.4	12.4	1.8	.3	.1	.5	1.2
ILLINOIS	100.0	4.9	.2	14.3	45.3	22.3	.8	1.0	.8	1.7	8.8
ARIZONA	100.0	2.7	*	82.9	.3	4.7	1.3	.6	.1	2.0	5.5
MINNESOTA	100.0	3.1	.1	71.2	1.2	17.6	2.2	.3	1.3	.5	2.5
COLORADO	100.0	3.8	9.8	31.1	12.0	11.0	9.1	4.0	.6	7.3	11.3
TENNESSEE	100.0	1.6	*	3.2	76.7	13.2	.5	.4	2.0	.8	1.5
MICHIGAN	100.0	2.8	1.0	58.1	4.4	20.5	2.0	1.4	.3	1.8	7.8
NORTH CAROLINA	100.0	6.0	1.2	20.2	1.7	50.0	.9	.3	13.2	1.6	4.8
UTAH	100.0	3.3	*	54.5	2.3	10.6	3.7	.2	.1	22.0	3.1
RHODE ISLAND	100.0	.5	.7	85.0	.9	5.4	.3	.1	1.7	.4	5.0
GEORGIA	100.0	13.3	.4	42.1	1.7	29.2	1.9	.9	2.0	4.3	4.2
IDAHO	100.0	4.5	*	1.5	89.3	.2	4.2	.1	-	.1	.2
INDIANA	100.0	4.1	.1	60.8	4.2	15.0	.8	.8	.5	2.4	11.3
LOUISIANA	100.0	16.6	1.0	19.0	2.8	14.5	1.5	1.1	.1	41.5	1.8
MISSISSIPPI	100.0	13.3	3.2	71.8	1.3	3.5	.8	.5	.2	4.7	.6
WISCONSIN	100.0	16.5	1.1	7.0	6.1	46.1	3.8	.2	1.5	4.2	13.5
OREGON	100.0	18.7	2.2	8.1	9.7	28.6	11.1	1.0	6.2	1.6	12.7
SOUTH CAROLINA	100.0	10.3	2.1	5.0	63.5	11.8	1.9	.8	.2	.2	4.2
KANSAS	100.0	7.1	.1	59.6	7.8	13.6	.7	.7	.5	5.9	4.0
IOWA	100.0	20.9	.2	18.2	13.6	35.5	1.4	.4	.7	4.0	5.1
KENTUCKY	100.0	10.3	.1	15.6	45.3	20.7	2.3	.7	2.2	.7	2.1
WEST VIRGINIA	100.0	12.6	.1	.3	41.1	15.3	9.5	.2	.3	*	20.6
NEW HAMPSHIRE	100.0	3.9	.1	70.6	1.1	11.1	2.0	.5	.3	6.0	4.3
HAWAII	100.0	7.3	8.1	42.7	9.4	12.7	3.9	.4	.3	7.4	7.8
OKLAHOMA	100.0	15.7	3.7	17.1	14.4	15.8	2.6	18.2	5.7	2.5	4.2
NEBRASKA	100.0	32.3	.3	39.8	.9	15.6	2.6	1.1	-	.8	6.7
ALASKA	100.0	11.8	13.6	28.3	.7	1.0	29.7	1.5	-	3.7	9.6
MONTANA	100.0	27.7	.3	1.5	26.9	20.6	14.9	.5	1.7	.2	5.7
ARKANSAS	100.0	23.9	1.0	2.9	5.6	53.2	0.1	1.8	1.1	.1	4.3
MAINE	100.0	11.3	3.6	29.0	2.9	27.8	6.4	6.0	.3	1.3	11.4
WYOMING	100.0	10.1	.1	5.1	52.3	3.0	17.7	1.0	1.8	1.8	7.0
NORTH DAKOTA	100.0	55.4	1.4	9.4	13.5	3.0	14.8	1.7	-	-	.8
VERMONT	100.0	10.1	-	20.6	1.2	51.2	2.8	.4	-	.3	3.1
DELAWARE	100.0	12.6	5.3	45.6	1.4	12.0	1.6	2.0	.4	2.8	16.3
SOUTH DAKOTA	100.0	35.7	.2	.1	1.6	5.8	47.9	.8	1.8	3.1	3.0
OUTLYING AREAS	100.0	25.8	2.6	50.4	1.2	13.9	3.5	.2	-	-	2.4
OFFICES ABROAD	100.0	6.1	-	80.9	-	-	-	-	.3	-	12.7

* PERCENTAGE LESS THAN .05%.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-106. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION, STATE, AGENCY, AND PERFORMER: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

GEOGRAPHIC DIVISION, STATE, AND AGENCY	TOTAL	FEDERAL INTRAMURAL 1/	EXTRAMURAL						
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NONPROFIT INSTITUTIONS	FFRDCS ADMIN BY NONPROFIT INSTITUTIONS	STATE AND LOCAL GOVTS
TOTAL									
TOTAL	37,627,750	10,211,094	17,085,279	1,385,805	4,842,584	2,232,252	1,127,859	562,888	179,989
DEPARTMENT OF AGRICULTURE	840,806	559,080	1,623	-	274,962	65	2,640	-	2,436
DEPARTMENT OF COMMERCE	334,604	251,787	22,102	-	50,626	834	2,901	-	6,354
DEPARTMENT OF DEFENSE	22,935,716	6,400,769	14,541,130	129,397	723,966	388,246	285,867	446,263	78
DEPARTMENT OF ENERGY	4,527,362	257,549	1,044,995	1,217,890	296,971	1,564,141	49,001	92,389	4,426
DEPARTMENT OF HEALTH & HUMAN SRVCS	4,328,373	1,033,872	126,225	33,612	2,428,625	20,274	616,894	3,651	65,220
DEPARTMENT OF THE INTERIOR	381,496	274,061	20,884	3,050	28,576	40	683	40	54,162
DEPARTMENT OF TRANSPORTATION	347,667	75,570	179,642	88	23,096	6,626	23,159	-	39,486
ENVIRONMENTAL PROTECTION AGENCY	240,509	93,214	92,732	-	43,303	254	7,781	-	3,225
NATIONAL AERONAUTICS AND SPACE ADMIN	2,631,416	1,134,436	1,029,884	-	189,357	177,083	97,289	495	2,872
NATIONAL SCIENCE FOUNDATION	1,099,801	130,754	26,062	1,768	783,102	74,689	41,644	50	1,730
NEW ENGLAND									
TOTAL	3,454,872	548,609	1,696,651	28,603	631,141	61,159	286,185	187,475	15,049
DEPARTMENT OF AGRICULTURE	32,497	12,271	4	-	19,449	-	9	-	764
DEPARTMENT OF COMMERCE	17,025	7,911	2,249	-	5,927	-	404	-	534
DEPARTMENT OF DEFENSE	2,495,312	482,344	1,558,226	203	118,131	57,685	91,248	187,475	-
DEPARTMENT OF ENERGY	142,904	400	48,799	28,400	64,243	-	1,062	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	473,273	3,857	23,155	-	282,482	-	155,402	-	8,377
DEPARTMENT OF THE INTERIOR	11,142	4,880	1,674	-	1,161	-	-	-	3,427
DEPARTMENT OF TRANSPORTATION	45,966	28,088	9,975	-	2,772	3,204	202	-	1,725
ENVIRONMENTAL PROTECTION AGENCY	19,836	2,964	12,324	-	3,719	-	607	-	222
NATIONAL AERONAUTICS AND SPACE ADMIN	94,639	5,534	37,022	-	22,533	270	29,280	-	-
NATIONAL SCIENCE FOUNDATION	122,278	360	3,223	-	110,724	-	7,971	-	-
CONNECTICUT									
TOTAL	743,331	170,401	416,757	28,400	118,203	-	6,035	-	3,535
DEPARTMENT OF AGRICULTURE	4,157	1,787	-	-	1,606	-	-	-	764
DEPARTMENT OF COMMERCE	1,796	1,539	10	-	167	-	20	-	20
DEPARTMENT OF DEFENSE	545,832	161,913	375,098	-	8,027	-	794	-	-
DEPARTMENT OF ENERGY	39,007	-	3,655	28,400	4,836	-	116	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	93,987	-	195	-	87,729	-	4,586	-	719
DEPARTMENT OF THE INTERIOR	1,754	959	76	-	-	-	-	-	1,477
DEPARTMENT OF TRANSPORTATION	8,073	4,106	3,193	-	25	-	202	-	547
ENVIRONMENTAL PROTECTION AGENCY	2,125	-	1,653	-	264	-	200	-	8
NATIONAL AERONAUTICS AND SPACE ADMIN	33,533	97	32,632	-	728	-	76	-	-
NATIONAL SCIENCE FOUNDATION	13,107	-	245	-	12,821	-	41	-	-
MAINE									
TOTAL	29,277	2,261	10,103	-	5,775	-	8,865	-	2,273
DEPARTMENT OF AGRICULTURE	3,301	1,094	-	-	2,202	-	5	-	-
DEPARTMENT OF COMMERCE	1,068	-	28	-	856	-	-	-	184
DEPARTMENT OF DEFENSE	8,494	391	8,006	-	97	-	-	-	-
DEPARTMENT OF ENERGY	854	-	372	-	216	-	266	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	8,131	-	-	-	300	-	6,920	-	911
DEPARTMENT OF THE INTERIOR	1,872	776	-	-	75	-	-	-	4,021
DEPARTMENT OF TRANSPORTATION	1,755	-	1,592	-	6	-	-	-	157
ENVIRONMENTAL PROTECTION AGENCY	84	-	-	-	84	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	373	-	-	-	-	-	373	-	-
NATIONAL SCIENCE FOUNDATION	3,345	-	105	-	1,939	-	1,301	-	-
MASSACHUSETTS									
TOTAL	2,314,273	147,282	1,208,470	203	440,094	61,159	262,798	187,475	6,852
DEPARTMENT OF AGRICULTURE	18,298	7,137	4	-	11,153	-	4	-	-
DEPARTMENT OF COMMERCE	12,145	6,315	2,211	-	2,995	-	384	-	240
DEPARTMENT OF DEFENSE	1,651,991	98,844	1,114,901	203	102,500	57,685	90,383	187,475	-
DEPARTMENT OF ENERGY	99,369	200	44,559	-	53,930	-	680	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	336,110	3,857	22,815	-	168,113	-	135,917	-	5,408
DEPARTMENT OF THE INTERIOR	4,578	1,472	1,530	-	968	-	-	-	608
DEPARTMENT OF TRANSPORTATION	35,305	23,918	4,873	-	2,739	3,204	-	-	571
ENVIRONMENTAL PROTECTION AGENCY	12,942	-	10,671	-	1,847	-	399	-	25
NATIONAL AERONAUTICS AND SPACE ADMIN	55,110	5,311	4,240	-	16,463	270	28,826	-	-
NATIONAL SCIENCE FOUNDATION	68,425	228	2,666	-	79,326	-	6,205	-	-
NEW HAMPSHIRE									
TOTAL	76,776	24,985	31,194	-	19,399	-	96	-	1,102
DEPARTMENT OF AGRICULTURE	3,031	1,502	-	-	1,529	-	-	-	-
DEPARTMENT OF COMMERCE	112	-	-	-	75	-	-	-	37
DEPARTMENT OF DEFENSE	54,229	22,116	30,726	-	1,378	-	9	-	-
DEPARTMENT OF ENERGY	858	200	5	-	653	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	8,489	-	43	-	8,136	-	87	-	223
DEPARTMENT OF THE INTERIOR	1,520	927	50	-	50	-	-	-	493
DEPARTMENT OF TRANSPORTATION	395	23	212	-	-	-	-	-	160
ENVIRONMENTAL PROTECTION AGENCY	239	-	-	-	50	-	-	-	189
NATIONAL AERONAUTICS AND SPACE ADMIN	4,577	85	57	-	4,435	-	-	-	-
NATIONAL SCIENCE FOUNDATION	3,326	132	101	-	3,093	-	-	-	-

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TABLE C-106. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION, STATE, AGENCY, AND PERFORMER: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

- CONTINUED

GEOGRAPHIC DIVISION, STATE, AND AGENCY	TOTAL	FEDERAL INTRAMURAL 1/	EXTRAMURAL						
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NONPROFIT INSTITUTIONS	FFRDCS ADMIN BY NONPROFIT INSTITUTIONS	STATE AND LOCAL GOVTS
RHODE ISLAND									
TOTAL	267,528	201,789	23,921	-	33,652	-	7,481	-	685
DEPARTMENT OF AGRICULTURE	1,317	-	-	-	1,317	-	-	-	-
DEPARTMENT OF COMMERCE	1,867	-	-	-	1,834	-	-	-	33
DEPARTMENT OF DEFENSE	227,521	198,265	23,330	-	2,864	-	62	-	-
DEPARTMENT OF ENERGY	2,540	-	208	-	2,332	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	14,423	-	102	-	7,065	-	6,982	-	254
DEPARTMENT OF THE INTERIOR	747	519	-	-	40	-	-	-	188
DEPARTMENT OF TRANSPORTATION	352	41	101	-	-	-	-	-	210
ENVIRONMENTAL PROTECTION AGENCY	4,746	2,964	-	-	1,474	-	8	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	248	-	74	-	889	-	5	-	-
NATIONAL SCIENCE FOUNDATION	13,347	-	106	-	12,817	-	424	-	-
VERMONT									
TOTAL	23,687	1,891	6,206	-	14,078	-	910	-	602
DEPARTMENT OF AGRICULTURE	2,393	751	-	-	1,642	-	-	-	-
DEPARTMENT OF COMMERCE	77	57	-	-	-	-	-	-	20
DEPARTMENT OF DEFENSE	7,245	815	6,165	-	265	-	-	-	-
DEPARTMENT OF ENERGY	276	-	-	-	276	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	12,133	-	-	-	11,119	-	910	-	104
DEPARTMENT OF THE INTERIOR	671	227	18	-	28	-	-	-	398
DEPARTMENT OF TRANSPORTATION	86	-	4	-	2	-	-	-	80
ENVIRONMENTAL PROTECTION AGENCY	-	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	78	41	19	-	18	-	-	-	-
NATIONAL SCIENCE FOUNDATION	728	-	-	-	728	-	-	-	-
MIDDLE ATLANTIC									
TOTAL	4,989,953	868,691	2,434,884	345,533	873,599	260,494	166,896	-	39,856
DEPARTMENT OF AGRICULTURE	52,615	33,219	14	-	18,908	65	382	-	27
DEPARTMENT OF COMMERCE	18,434	11,264	2,199	-	4,166	218	284	-	303
DEPARTMENT OF DEFENSE	3,093,326	738,833	2,118,373	105,439	115,296	2,919	12,466	-	-
DEPARTMENT OF ENERGY	822,555	40,998	244,328	239,894	49,290	247,428	570	-	47
DEPARTMENT OF HEALTH & HUMAN SRVCS	690,791	4,071	4,575	-	510,965	4,212	136,621	-	30,347
DEPARTMENT OF THE INTERIOR	31,498	18,379	5,462	200	4,948	-	-	-	2,509
DEPARTMENT OF TRANSPORTATION	34,994	13,225	13,450	-	1,954	197	391	-	5,777
ENVIRONMENTAL PROTECTION AGENCY	8,002	-	2,204	-	4,924	-	312	-	562
NATIONAL AERONAUTICS AND SPACE ADMIN	60,873	8,702	32,031	-	15,795	-	4,236	-	109
NATIONAL SCIENCE FOUNDATION	176,865	-	12,248	-	147,353	5,455	11,634	-	175
NEW JERSEY									
TOTAL	1,293,441	548,834	544,660	200	66,145	123,208	6,330	-	4,064
DEPARTMENT OF AGRICULTURE	3,014	325	-	-	2,689	-	-	-	-
DEPARTMENT OF COMMERCE	13,495	10,727	770	-	1,736	-	157	-	105
DEPARTMENT OF DEFENSE	1,007,829	524,120	472,333	-	10,105	-	1,271	-	-
DEPARTMENT OF ENERGY	173,554	-	44,008	-	6,252	123,208	86	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	31,152	107	890	-	24,097	-	3,989	-	2,069
DEPARTMENT OF THE INTERIOR	3,874	1,977	343	200	785	-	-	-	569
DEPARTMENT OF TRANSPORTATION	17,251	11,250	4,470	-	210	-	-	-	1,321
ENVIRONMENTAL PROTECTION AGENCY	748	-	554	-	154	-	40	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	12,179	328	9,878	-	1,973	-	-	-	-
NATIONAL SCIENCE FOUNDATION	30,345	-	11,414	-	18,144	-	787	-	-
NEW YORK									
TOTAL	2,523,214	57,685	1,486,647	162,356	547,920	137,286	98,143	-	33,177
DEPARTMENT OF AGRICULTURE	22,586	13,757	-	-	8,355	65	382	-	27
DEPARTMENT OF COMMERCE	4,000	537	1,088	-	1,934	218	127	-	96
DEPARTMENT OF DEFENSE	573,172	19,741	1,441,037	49,073	55,462	2,919	4,940	-	-
DEPARTMENT OF ENERGY	508,647	7,834	29,962	113,283	33,071	124,220	230	-	47
DEPARTMENT OF HEALTH & HUMAN SRVCS	463,121	3,643	2,666	-	341,281	4,212	80,418	-	27,901
DEPARTMENT OF THE INTERIOR	5,563	2,811	176	-	1,159	-	-	-	1,417
DEPARTMENT OF TRANSPORTATION	11,879	1,531	6,285	-	804	197	140	-	2,922
ENVIRONMENTAL PROTECTION AGENCY	3,564	-	213	-	2,654	-	216	-	483
NATIONAL AERONAUTICS AND SPACE ADMIN	26,031	7,831	4,756	-	9,838	-	3,497	-	109
NATIONAL SCIENCE FOUNDATION	107,649	-	464	-	93,362	5,455	8,193	-	175
PENNSYLVANIA									
TOTAL	1,173,298	262,172	403,577	182,977	259,534	-	62,423	-	2,615
DEPARTMENT OF AGRICULTURE	27,015	19,137	14	-	7,864	-	-	-	-
DEPARTMENT OF COMMERCE	939	-	341	-	496	-	-	-	102
DEPARTMENT OF DEFENSE	512,325	194,972	205,063	56,366	49,729	-	6,255	-	-
DEPARTMENT OF ENERGY	340,354	33,164	170,358	126,611	9,967	-	254	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	199,518	321	1,019	-	145,587	-	52,214	-	377
DEPARTMENT OF THE INTERIOR	22,061	13,591	4,943	-	3,004	-	-	-	523
DEPARTMENT OF TRANSPORTATION	5,864	444	2,695	-	940	-	251	-	1,534
ENVIRONMENTAL PROTECTION AGENCY	3,688	-	1,437	-	2,116	-	56	-	79
NATIONAL AERONAUTICS AND SPACE ADMIN	22,663	543	17,397	-	3,984	-	739	-	-
NATIONAL SCIENCE FOUNDATION	38,871	-	370	-	35,847	-	2,654	-	-

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TABLE C-106. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION, STATE, AGENCY, AND PERFORMER: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

- CONTINUED

GEOGRAPHIC DIVISION, STATE, AND AGENCY	TOTAL	FEDERAL INTRAMURAL 1/	EXTRAMURAL						
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NONPROFIT INSTITUTIONS	FFRDCS ADMIN BY NONPROFIT INSTITUTIONS	STATE AND LOCAL GOVTS
EAST NORTH CENTRAL TOTAL	2,505,941	478,247	1,018,793	6,480	651,385	229,931	106,469	-	14,636
DEPARTMENT OF AGRICULTURE	83,277	49,440	41	-	33,298	-	453	-	45
DEPARTMENT OF COMMERCE	7,621	2,944	806	-	3,490	180	67	-	134
DEPARTMENT OF DEFENSE	1,222,614	252,564	866,283	-	66,782	361	36,624	-	-
DEPARTMENT OF ENERGY	394,938	4,308	112,651	5,217	40,222	228,573	3,967	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	426,993	28,794	11,269	1,263	326,336	587	54,748	-	3,996
DEPARTMENT OF THE INTERIOR	23,168	15,778	650	-	1,148	-	42	-	5,550
DEPARTMENT OF TRANSPORTATION	23,540	6,350	9,381	-	2,994	200	367	-	4,248
ENVIRONMENTAL PROTECTION AGENCY	37,459	20,161	6,510	-	7,902	-	2,283	-	603
NATIONAL AERONAUTICS AND SPACE ADMIN	143,116	97,878	11,010	-	28,997	-	5,171	-	60
NATIONAL SCIENCE FOUNDATION	143,215	30	192	-	140,216	30	1,747	-	-
ILLINOIS TOTAL	567,454	54,819	41,697	100	206,893	229,931	30,053	-	3,961
DEPARTMENT OF AGRICULTURE	27,763	21,254	-	-	6,390	-	119	-	-
DEPARTMENT OF COMMERCE	914	7	118	-	589	180	-	-	20
DEPARTMENT OF DEFENSE	81,180	22,206	27,017	-	25,895	361	5,701	-	-
DEPARTMENT OF ENERGY	257,155	4,308	8,537	100	12,559	228,573	3,078	-	1,687
DEPARTMENT OF HEALTH & HUMAN SRVCS	126,453	3,448	467	-	101,530	587	18,734	-	1,554
DEPARTMENT OF THE INTERIOR	4,550	2,362	248	-	386	-	-	-	687
DEPARTMENT OF TRANSPORTATION	5,562	56	4,231	-	355	200	33	-	13
ENVIRONMENTAL PROTECTION AGENCY	4,344	-	385	-	3,336	-	610	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	9,682	1,148	694	-	7,651	-	189	-	-
NATIONAL SCIENCE FOUNDATION	49,851	30	-	-	48,202	30	1,589	-	-
INDIANA TOTAL	213,554	49,483	84,914	-	76,972	-	1,483	-	702
DEPARTMENT OF AGRICULTURE	8,850	3,194	-	-	5,656	-	-	-	-
DEPARTMENT OF COMMERCE	291	7	180	-	84	-	-	-	20
DEPARTMENT OF DEFENSE	129,891	43,540	80,499	-	4,934	-	918	-	-
DEPARTMENT OF ENERGY	8,880	-	585	-	8,295	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	32,066	-	2,679	-	28,955	-	432	-	-
DEPARTMENT OF THE INTERIOR	1,713	1,297	6	-	190	-	-	-	220
DEPARTMENT OF TRANSPORTATION	1,788	-	456	-	867	-	-	-	462
ENVIRONMENTAL PROTECTION AGENCY	774	-	126	-	848	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	5,063	1,445	380	-	3,105	-	133	-	-
NATIONAL SCIENCE FOUNDATION	24,038	-	-	-	24,038	-	-	-	-
MICHIGAN TOTAL	412,476	56,478	185,094	-	137,637	-	28,077	-	5,190
DEPARTMENT OF AGRICULTURE	11,562	4,324	10	-	7,228	-	-	-	-
DEPARTMENT OF COMMERCE	4,061	2,790	194	-	990	-	67	-	20
DEPARTMENT OF DEFENSE	239,480	43,388	165,908	-	13,075	-	17,109	-	-
DEPARTMENT OF ENERGY	18,114	-	11,509	-	6,605	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	84,609	92	3,083	-	70,354	-	9,064	-	2,016
DEPARTMENT OF THE INTERIOR	8,068	5,791	161	-	244	-	-	-	1,872
DEPARTMENT OF TRANSPORTATION	5,744	-	3,277	-	1,280	-	-	-	1,187
ENVIRONMENTAL PROTECTION AGENCY	1,200	-	5	-	522	-	578	-	95
NATIONAL AERONAUTICS AND SPACE ADMIN	7,410	93	843	-	5,476	-	998	-	-
NATIONAL SCIENCE FOUNDATION	32,228	-	104	-	31,863	-	261	-	-
OHIO TOTAL	1,170,096	297,152	701,113	5,117	120,313	-	43,173	-	3,228
DEPARTMENT OF AGRICULTURE	11,545	4,817	-	-	6,355	-	328	-	45
DEPARTMENT OF COMMERCE	740	140	278	-	268	-	-	-	54
DEPARTMENT OF DEFENSE	762,158	143,242	589,313	-	16,707	-	12,896	-	-
DEPARTMENT OF ENERGY	102,080	-	92,019	5,117	4,055	-	889	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	118,283	25,230	4,497	-	65,376	-	22,949	-	231
DEPARTMENT OF THE INTERIOR	3,438	2,160	123	-	168	-	42	-	945
DEPARTMENT OF TRANSPORTATION	10,154	6,294	1,299	-	488	-	334	-	1,739
ENVIRONMENTAL PROTECTION AGENCY	28,750	20,161	2,506	-	1,834	-	1,095	-	154
NATIONAL AERONAUTICS AND SPACE ADMIN	115,047	95,108	7,990	-	8,038	-	3,851	-	60
NATIONAL SCIENCE FOUNDATION	17,901	-	88	-	17,024	-	789	-	-
WISCONSIN TOTAL	142,361	20,315	5,975	1,263	109,570	-	3,683	-	1,555
DEPARTMENT OF AGRICULTURE	23,557	15,851	31	-	7,669	-	6	-	-
DEPARTMENT OF COMMERCE	1,615	-	36	-	1,559	-	-	-	20
DEPARTMENT OF DEFENSE	9,905	188	3,546	-	6,171	-	-	-	-
DEPARTMENT OF ENERGY	8,709	-	1	-	8,708	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	65,582	24	543	1,263	60,121	-	3,569	-	62
DEPARTMENT OF THE INTERIOR	5,399	4,168	112	-	160	-	-	-	959
DEPARTMENT OF TRANSPORTATION	292	-	115	-	4	-	-	-	173
ENVIRONMENTAL PROTECTION AGENCY	2,191	-	488	-	1,362	-	-	-	341
NATIONAL AERONAUTICS AND SPACE ADMIN	5,914	84	1,103	-	4,727	-	108	-	-
NATIONAL SCIENCE FOUNDATION	19,197	-	-	-	19,089	-		-	

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TABLE C-106. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION, STATE, AGENCY, AND PERFORMER: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

- CONTINUED

GEOGRAPHIC DIVISION, STATE, AND AGENCY	TOTAL	FEDERAL INTRAMURAL 1/	EXTRAMURAL						
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NONPROFIT INSTITUTIONS	FFRDCS ADMIN BY NONPROFIT INSTITUTIONS	STATE AND LOCAL GOVTS
WEST NORTH CENTRAL									
TOTAL	1,299,617	117,649	856,320	-	264,338	14,974	38,369	-	7,967
DEPARTMENT OF AGRICULTURE	87,104	54,659	-	-	32,520	-	15	-	-
DEPARTMENT OF COMMERCE	1,662	279	-	-	863	-	-	-	520
DEPARTMENT OF DEFENSE	880,509	24,375	841,342	-	13,259	1,125	408	-	-
DEPARTMENT OF ENERGY	32,727	3,511	7,448	-	7,919	13,849	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	205,668	1,664	1,307	-	165,271	-	36,062	-	1,364
DEPARTMENT OF THE INTERIOR	33,434	25,334	1,821	-	2,808	-	-	-	3,471
DEPARTMENT OF TRANSPORTATION	5,131	2	1,399	-	473	-	1,128	-	2,129
ENVIRONMENTAL PROTECTION AGENCY	7,555	4,400	557	-	2,095	-	53	-	450
NATIONAL AERONAUTICS AND SPACE ADMIN	15,683	3,425	2,170	-	10,088	-	-	-	-
NATIONAL SCIENCE FOUNDATION	30,054	-	276	-	29,042	-	703	-	33
IOWA									
TOTAL	95,211	15,135	11,392	-	54,0[illegible]	13,784	187	-	655
DEPARTMENT OF AGRICULTURE	19,898	13,818	-	-	6,080	-	-	-	-
DEPARTMENT OF COMMERCE	156	7	-	-	129	-	-	-	-
DEPARTMENT OF DEFENSE	17,296	558	11,294	-	4,319	1,125	-	-	20
DEPARTMENT OF ENERGY	12,990	-	-	-	331	12,659	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	33,801	-	-	-	33,528	-	185	-	88
DEPARTMENT OF THE INTERIOR	1,346	721	50	-	237	-	-	-	338
DEPARTMENT OF TRANSPORTATION	380	-	13	-	191	-	-	-	176
ENVIRONMENTAL PROTECTION AGENCY	628	-	-	-	628	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	3,830	31	35	-	3,764	-	-	-	-
NATIONAL SCIENCE FOUNDATION	4,886	-	-	-	4,851	-	2	-	33
KANSAS									
TOTAL	97,386	8,028	61,321	-	25,073	1,190	980	-	794
DEPARTMENT OF AGRICULTURE	6,957	3,186	-	-	3,771	-	-	-	-
DEPARTMENT OF COMMERCE	57	7	-	-	30	-	-	-	-
DEPARTMENT OF DEFENSE	58,053	1,594	55,030	-	1,401	-	28	-	20
DEPARTMENT OF ENERGY	7,632	-	5,295	-	1,147	1,190	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	13,233	25	-	-	12,183	-	952	-	73
DEPARTMENT OF THE INTERIOR	685	479	87	-	47	-	-	-	72
DEPARTMENT OF TRANSPORTATION	700	2	125	-	4	-	-	-	569
ENVIRONMENTAL PROTECTION AGENCY	443	-	287	-	96	-	-	-	60
NATIONAL AERONAUTICS AND SPACE ADMIN	5,711	2,735	497	-	2,479	-	-	-	-
NATIONAL SCIENCE FOUNDATION	3,915	-	-	-	3,915	-	-	-	-
MINNESOTA									
TOTAL	448,180	27,310	316,935	-	74,696	-	2[illegible],407	-	1,832
DEPARTMENT OF AGRICULTURE	13,966	8,105	-	-	5,846	-	15	-	-
DEPARTMENT OF COMMERCE	451	7	-	-	344	-	-	-	100
DEPARTMENT OF DEFENSE	319,040	4,493	311,636	-	2,531	-	380	-	-
DEPARTMENT OF ENERGY	5,568	-	1,430	-	4,138	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	79,095	1,500	1,210	-	48,667	-	26,374	-	844
DEPARTMENT OF THE INTERIOR	9,837	8,805	453	-	332	-	-	-	247
DEPARTMENT OF TRANSPORTATION	1,181	-	911	-	19	-	-	-	251
ENVIRONMENTAL PROTECTION AGENCY	5,651	4,400	-	-	808	-	53	-	390
NATIONAL AERONAUTICS AND SPACE ADMIN	2,391	-	1,019	-	1,372	-	-	-	-
NATIONAL SCIENCE FOUNDATION	11,000	-	276	-	10,639	-	85	-	-
MISSOURI									
TOTAL	576,848	31,796	446,510	-	87,177	-	9,291	-	2,074
DEPARTMENT OF AGRICULTURE	13,164	5,178	-	-	7,986	-	-	-	-
DEPARTMENT OF COMMERCE	481	237	-	-	224	-	-	-	20
DEPARTMENT OF DEFENSE	466,719	17,700	444,788	-	4,231	-	-	-	-
DEPARTMENT OF ENERGY	2,294	-	561	-	1,733	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	71,400	139	94	-	63,312	-	7,632	-	223
DEPARTMENT OF THE INTERIOR	10,471	8,072	115	-	1,077	-	-	-	1,207
DEPARTMENT OF TRANSPORTATION	1,858	-	101	-	5	-	1,128	-	624
ENVIRONMENTAL PROTECTION AGENCY	614	-	270	-	344	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	3,041	470	581	-	1,990	-	-	-	-
NATIONAL SCIENCE FOUNDATION	6,806	-	-	-	6,275	-	531	-	-
NEBRASKA									
TOTAL	42,298	10,253	16,469	-	14,365	-	357	-	854
DEPARTMENT OF AGRICULTURE	13,660	9,774	-	-	3,886	-	-	-	-
DEPARTMENT OF COMMERCE	117	7	-	-	90	-	-	-	20
DEPARTMENT OF DEFENSE	16,829	11	16,232	-	586	-	-	-	-
DEPARTMENT OF ENERGY	375	-	-	-	375	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	6,594	-	3	-	6,290	-	292	-	9
DEPARTMENT OF THE INTERIOR	1,105	461	-	-	31	-	-	-	613
DEPARTMENT OF TRANSPORTATION	450	-	234	-	4	-	-	-	212
ENVIRONMENTAL PROTECTION AGENCY	-	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	324	-	-	-	324	-	-	-	-
NATIONAL SCIENCE FOUNDATION	2,844	-	-	-	2,779	-	65	-	-

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TABLE C-106. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION, STATE, AGENCY, AND PERFORMER: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

- CONTINUED

GEOGRAPHIC DIVISION, STATE, AND AGENCY	TOTAL	FEDERAL INTRAMURAL 1/	EXTRAMURAL						
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NONPROFIT INSTITUTIONS	FFRDCS ADMIN BY NONPROFIT INSTITUTIONS	STATE AND LOCAL GOVTS
NORTH DAKOTA									
TOTAL	27,249	18,611	2,530	-	4,857	-	147	-	1,104
DEPARTMENT OF AGRICULTURE	15,107	12,533	-	-	2,574	-	-	-	-
DEPARTMENT OF COMMERCE	373	7	-	-	46	-	-	-	320
DEPARTMENT OF DEFENSE	2,559	6	2,362	-	191	-	-	-	-
DEPARTMENT OF ENERGY	3,673	3,517	162	-	-	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	820	..	-	-	654	-	127	-	39
DEPARTMENT OF THE INTERIOR	4,029	2,554	-	-	934	-	-	-	541
DEPARTMENT OF TRANSPORTATION	440	-	6	-	250	-	-	-	204
ENVIRONMENTAL PROTECTION AGENCY	-	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	-	-	-	-	-	-	-	-	-
NATIONAL SCIENCE FOUNDATION	228	-	-	-	208	-	20	-	-
SOUTH DAKOTA									
TOTAL	12,445	6,516	1,163	-	4,112	-	-	-	654
DEPARTMENT OF AGRICULTURE	4,442	2,065	-	-	2,377	-	-	-	-
DEPARTMENT OF COMMERCE	27	7	-	-	-	-	-	-	20
DEPARTMENT OF DEFENSE	13	13	-	-	-	-	-	-	-
DEPARTMENT OF ENERGY	196	-	-	-	195	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	725	-	-	-	637	-	-	-	88
DEPARTMENT OF THE INTERIOR	5,961	4,242	1,116	-	150	-	-	-	453
DEPARTMENT OF TRANSPORTATION	102	-	9	-	-	-	-	-	93
ENVIRONMENTAL PROTECTION AGENCY	219	-	-	-	219	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	386	189	38	-	159	-	-	-	-
NATIONAL SCIENCE FOUNDATION	375	-	-	-	375	-	-	-	-
SOUTH ATLANTIC									
TOTAL	8,927,819	4,445,971	3,208,159	80,782	691,878	254,239	195,902	25,094	25,794
DEPARTMENT OF AGRICULTURE	262,042	209,891	1,209	-	49,904	-	927	-	111
DEPARTMENT OF COMMERCE	164,880	146,269	6,278	-	10,203	-	1,099	-	731
DEPARTMENT OF DEFENSE	5,340,266	2,154,754	2,735,898	-	133,539	238,339	57,202	20,534	-
DEPARTMENT OF ENERGY	281,388	138,982	49,479	49,427	26,502	-	12,218	4,560	20
DEPARTMENT OF HEALTH & HUMAN SRVCS	1,451,257	949,326	70,261	31,155	340,513	-	55,875	-	4,097
DEPARTMENT OF THE INTERIOR	88,737	69,285	4,183	-	3,319	-	540	-	11,410
DEPARTMENT OF TRANSPORTATION	123,375	17,325	73,030	-	10,133	-	17,091	-	5,796
ENVIRONMENTAL PROTECTION AGENCY	93,054	52,966	28,706	-	9,523	-	1,002	-	257
NATIONAL AERONAUTICS AND SPACE ADMIN	883,771	577,352	236,099	-	26,688	-	40,939	-	2,693
NATIONAL SCIENCE FOUNDATION	239,049	129,791	2,716	-	81,554	15,900	8,409	-	679
DELAWARE									
TOTAL	20,432	1,050	9,477	-	8,722	-	896	-	287
DEPARTMENT OF AGRICULTURE	2,580	836	-	-	1,744	-	-	-	-
DEPARTMENT OF COMMERCE	1,086	11	-	-	1,016	-	30	-	29
DEPARTMENT OF DEFENSE	9,322	10	8,527	-	785	-	-	-	-
DEPARTMENT OF ENERGY	290	-	108	-	60	-	122	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	2,447	-	159	-	1,951	-	241	-	96
DEPARTMENT OF THE INTERIOR	220	193	-	-	-	-	-	-	127
DEPARTMENT OF TRANSPORTATION	416	-	377	-	4	-	-	-	35
ENVIRONMENTAL PROTECTION AGENCY	73	-	-	-	73	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	563	-	306	-	183	-	74	-	-
NATIONAL SCIENCE FOUNDATION	3,335	-	-	-	2,906	-	429	-	-
DIST. OF COLUMBIA									
TOTAL	1,196,119	990,023	79,467	-	57,246	-	61,542	666	7,175
DEPARTMENT OF AGRICULTURE	77,301	74,715	-	-	2,384	-	198	-	-
DEPARTMENT OF COMMERCE	8,157	6,340	1,313	-	331	-	173	-	-
DEPARTMENT OF DEFENSE	559,639	512,933	31,446	-	9,216	-	5,573	471	-
DEPARTMENT OF ENERGY	102,891	80,105	10,127	-	1,946	-	10,518	195	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	89,282	39,151	6,769	-	26,753	-	16,259	-	350
DEPARTMENT OF THE INTERIOR	31,563	22,208	1,499	-	966	-	540	-	6,350
DEPARTMENT OF TRANSPORTATION	47,743	11,998	[illegible]	-	7,266	-	4,148	-	470
ENVIRONMENTAL PROTECTION AGENCY	18,408	14,541	[illegible]	-	64	-	1,170	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	121,637	99,699	1,420	-	3,891	-	16,627	-	-
NATIONAL SCIENCE FOUNDATION	139,498	128,329	399	-	4,429	-	6,336	-	5
FLORIDA									
TOTAL	1,276,022	339,614	827,714	-	91,734	-	12,333	-	4,627
DEPARTMENT OF AGRICULTURE	21,635	13,837	-	-	7,585	-	154	-	59
DEPARTMENT OF COMMERCE	23,862	17,827	1,997	-	2,993	-	805	-	240
DEPARTMENT OF DEFENSE	807,682	104,084	681,317	-	15,845	-	6,436	-	-
DEPARTMENT OF ENERGY	8,827	-	6,413	-	2,414	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	44,837	166	127	-	39,218	-	4,531	-	795
DEPARTMENT OF THE INTERIOR	4,769	2,842	3	-	389	-	-	-	1,535
DEPARTMENT OF TRANSPORTATION	3,857	537	801	-	806	-	-	-	1,713
ENVIRONMENTAL PROTECTION AGENCY	6,072	2,796	393	-	2,555	-	71	-	257
NATIONAL AERONAUTICS AND SPACE ADMIN	336,421	197,525	136,550	-	2,372	-	34	-	-
NATIONAL SCIENCE FOUNDATION	18,000	-	113	-	17,557	-	302	-	28

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TABLE C-106. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION, STATE, AGENCY, AND PERFORMER: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

- CONTINUED

GEOGRAPHIC DIVISION, STATE, AND AGENCY	TOTAL	FEDERAL INTRAMURAL 1/	EXTRAMURAL						
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NONPROFIT INSTITUTIONS	FFRDCS ADMIN BY NONPROFIT INSTITUTIONS	STATE AND LOCAL GOVTS
GEORGIA									
TOTAL	237,183	[illegible]	46,048	-	86,438	-	16,497	-	3,573
DEPARTMENT OF AGRICULTURE	31,601	24,010	7	-	7,582	-	-	-	-
DEPARTMENT OF COMMERCE	1,061	21	26	-	932	-	-	-	82
DEPARTMENT OF DEFENSE	99,750	8,402	63,318	-	28,020	-	10	-	-
DEPARTMENT OF ENERGY	4,010	137	8	-	3,865	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	69,341	19,389	438	-	31,783	-	16,487	-	1,245
DEPARTMENT OF THE INTERIOR	4,467	3,015	22	-	392	-	-	-	1,031
DEPARTMENT OF TRANSPORTATION	2,113	9	457	-	899	-	-	-	745
ENVIRONMENTAL PROTECTION AGENCY	4,771	4,018	30	-	663	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	10,273	5,626	1,740	-	2,907	-	-	-	-
NATIONAL SCIENCE FOUNDATION	9,865	-	-	-	9,395	-	-	-	470
MARYLAND									
TOTAL	3,412,369	2,149,351	765,018	31,155	197,013	222,639	44,396	193	2,604
DEPARTMENT OF AGRICULTURE	82,382	74,335	1,200	-	6,276	-	571	-	-
DEPARTMENT OF COMMERCE	118,777	114,469	2,407	-	1,776	-	11	-	114
DEPARTMENT OF DEFENSE	1,835,186	932,532	599,533	-	61,558	222,639	18,731	193	-
DEPARTMENT OF ENERGY	41,012	26,012	5,928	-	8,737	-	335	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	1,004,223	831,169	40,492	31,155	91,672	-	9,092	-	643
DEPARTMENT OF THE INTERIOR	15,727	14,628	468	-	127	-	-	-	504
DEPARTMENT OF TRANSPORTATION	34,179	3,334	29,490	-	189	-	50	-	1,116
ENVIRONMENTAL PROTECTION AGENCY	7,598	-	6,357	-	1,159	-	82	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	252,312	152,082	77,388	-	7,469	-	14,666	-	227
NATIONAL SCIENCE FOUNDATION	20,973	790	1,755	-	17,570	-	858	-	-
NORTH CAROLINA									
TOTAL	312,478	108,477	50,504	-	140,424	-	11,717	-	1,256
DEPARTMENT OF AGRICULTURE	18,743	8,650	-	-	10,066	-	-	-	27
DEPARTMENT OF COMMERCE	3,805	1,979	116	-	1,636	-	-	-	74
DEPARTMENT OF DEFENSE	63,089	14,838	39,028	-	8,132	-	1,091	-	-
DEPARTMENT OF ENERGY	5,278	-	1,623	-	3,655	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	156,393	49,101	3,526	-	92,083	-	7,382	-	301
DEPARTMENT OF THE INTERIOR	2,765	2,135	-	-	90	-	-	-	540
DEPARTMENT OF TRANSPORTATION	910	18	229	-	450	-	-	-	213
ENVIRONMENTAL PROTECTION AGENCY	41,353	31,611	5,811	-	3,706	-	225	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	5,044	140	171	-	1,872	-	2,861	-	-
NATIONAL SCIENCE FOUNDATION	15,098	5	-	-	14,834	-	158	-	101
SOUTH CAROLINA									
TOTAL	104,630	9,532	18,508	49,627	25,048	-	779	-	1,136
DEPARTMENT OF AGRICULTURE	10,804	5,808	-	-	4,971	-	-	-	25
DEPARTMENT OF COMMERCE	2,157	1,075	480	-	577	-	-	-	25
DEPARTMENT OF DEFENSE	5,221	1,200	2,076	-	1,945	-	-	-	-
DEPARTMENT OF ENERGY	66,395	-	15,607	49,627	382	-	779	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	12,348	-	1	-	11,953	-	-	-	394
DEPARTMENT OF THE INTERIOR	1,990	1,449	-	-	152	-	-	-	389
DEPARTMENT OF TRANSPORTATION	826	-	317	-	206	-	-	-	303
ENVIRONMENTAL PROTECTION AGENCY	255	-	-	-	255	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	223	-	27	-	196	-	-	-	-
NATIONAL SCIENCE FOUNDATION	4,411	-	-	-	4,411	-	-	-	-
VIRGINIA									
TOTAL	2,286,123	734,397	1,391,010	-	73,194	15,700	47,639	19,870	4,313
DEPARTMENT OF AGRICULTURE	6,568	619	-	-	5,945	-	4	-	-
DEPARTMENT OF COMMERCE	5,915	4,540	239	-	909	-	80	-	147
DEPARTMENT OF DEFENSE	1,960,100	580,755	1,310,484	-	7,930	15,700	25,361	19,870	-
DEPARTMENT OF ENERGY	18,821	6,734	9,665	-	1,973	-	429	-	20
DEPARTMENT OF HEALTH & HUMAN SRVCS	59,749	1,568	18,648	-	37,635	-	1,823	-	75
DEPARTMENT OF THE INTERIOR	19,334	15,805	2,082	-	972	-	-	-	475
DEPARTMENT OF TRANSPORTATION	33,163	1,429	17,481	-	305	-	12,893	-	1,055
ENVIRONMENTAL PROTECTION AGENCY	14,376	-	13,482	-	840	-	54	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	157,215	122,280	18,492	-	7,300	-	6,677	-	2,466
NATIONAL SCIENCE FOUNDATION	10,882	667	437	-	9,385	-	318	-	75
WEST VIRGINIA									
TOTAL	82,463	48,900	413	-	11,959	15,900	103	4,365	823
DEPARTMENT OF AGRICULTURE	10,428	7,077	-	-	3,351	-	-	-	-
DEPARTMENT OF COMMERCE	60	7	-	-	33	-	-	-	20
DEPARTMENT OF DEFENSE	277	-	169	-	108	-	-	-	-
DEPARTMENT OF ENERGY	33,864	25,994	-	-	3,470	-	35	4,365	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	12,636	8,812	101	-	3,465	-	60	-	198
DEPARTMENT OF THE INTERIOR	7,809	7,010	109	-	231	-	-	-	459
DEPARTMENT OF TRANSPORTATION	171	-	17	-	8	-	-	-	146
ENVIRONMENTAL PROTECTION AGENCY	208	-	-	-	208	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	23	-	5	-	18	-	-	-	-
NATIONAL SCIENCE FOUNDATION	16,987	-	12	-	1,067	15,900	8	-	-

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TABLE C-106. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION, STATE, AGENCY, AND PERFORMER: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

- CONTINUED

GEOGRAPHIC DIVISION, STATE, AND AGENCY	TOTAL	FEDERAL INTRAMURAL 1/	EXTRAMURAL						
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NONPROFIT INSTITUTIONS	FFRDCS ADMIN BY NONPROFIT INSTITUTIONS	STATE AND LOCAL GOVTS
EAST SOUTH CENTRAL TOTAL	1,386,000	587,356	374,166	222,746	162,625	8,929	22,986	-	7,192
DEPARTMENT OF AGRICULTURE	51,717	24,606	15	-	27,005	-	71	-	20
DEPARTMENT OF COMMERCE	7,322	3,682	2,734	-	579	-	2	-	325
DEPARTMENT OF DEFENSE	584,427	381,852	187,836	1,730	10,182	504	2,323	-	-
DEPARTMENT OF ENERGY	388,154	3,135	145,492	217,966	12,183	7,766	1,571	-	41
DEPARTMENT OF HEALTH & HUMAN SRVCS	130,134	12,314	1,310	1,194	95,339	659	17,504	-	1,814
DEPARTMENT OF THE INTERIOR	11,149	7,589	262	-	1,034	-	-	-	2,264
DEPARTMENT OF TRANSPORTATION	6,481	1,374	1,587	88	704	-	-	-	2,728
ENVIRONMENTAL PROTECTION AGENCY	12,478	-	9,914	-	1,884	-	680	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	182,228	152,738	24,900	-	3,978	-	612	-	-
NATIONAL SCIENCE FOUNDATION	11,910	66	116	1,768	9,737	-	223	-	-
ALABAMA TOTAL	671,670	427,454	195,226	-	53,722	-	12,909	-	2,359
DEPARTMENT OF AGRICULTURE	10,273	2,964	-	-	7,289	-	-	-	20
DEPARTMENT OF COMMERCE	1,086	745	146	-	75	-	-	-	120
DEPARTMENT OF DEFENSE	422,637	252,416	164,803	-	3,230	-	2,188	-	-
DEPARTMENT OF ENERGY	9,562	-	8,770	-	792	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	46,956	-	635	-	36,794	-	9,456	-	71
DEPARTMENT OF THE INTERIOR	5,293	4,069	214	-	226	-	-	-	784
DEPARTMENT OF TRANSPORTATION	3,160	706	549	-	541	-	-	-	1,364
ENVIRONMENTAL PROTECTION AGENCY	1,143	-	-	-	490	-	653	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	169,262	146,554	20,109	-	1,987	-	612	-	-
NATIONAL SCIENCE FOUNDATION	2,298	-	-	-	2,298	-	-	-	-
KENTUCKY TOTAL	93,085	23,975	46,685	-	19,684	-	234	-	2,507
DEPARTMENT OF AGRICULTURE	9,588	2,222	-	-	7,366	-	-	-	-
DEPARTMENT OF COMMERCE	66	7	4	-	35	-	-	-	20
DEPARTMENT OF DEFENSE	14,515	11,240	2,761	-	514	-	-	-	-
DEPARTMENT OF ENERGY	42,155	-	41,092	-	1,033	-	-	-	30
DEPARTMENT OF HEALTH & HUMAN SRVCS	19,290	9,223	655	-	8,030	-	144	-	1,238
DEPARTMENT OF THE INTERIOR	2,109	1,226	23	-	189	-	-	-	671
DEPARTMENT OF TRANSPORTATION	691	-	22	-	121	-	-	-	548
ENVIRONMENTAL PROTECTION AGENCY	2,072	-	1,927	-	145	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	654	57	201	-	396	-	-	-	-
NATIONAL SCIENCE FOUNDATION	1,945	-	-	-	1,855	-	90	-	-
MISSISSIPPI TOTAL	185,759	140,602	25,717	-	18,284	-	27	-	1,129
DEPARTMENT OF AGRICULTURE	24,737	18,477	15	-	6,245	-	-	-	-
DEPARTMENT OF COMMERCE	5,984	2,830	2,578	-	411	-	-	-	165
DEPARTMENT OF DEFENSE	133,388	113,037	17,475	-	2,876	-	-	-	-
DEPARTMENT OF ENERGY	2,507	-	2,134	-	373	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	6,464	-	20	-	6,307	-	-	-	137
DEPARTMENT OF THE INTERIOR	1,439	720	-	-	432	-	-	-	287
DEPARTMENT OF TRANSPORTATION	1,021	450	13	-	18	-	-	-	540
ENVIRONMENTAL PROTECTION AGENCY	433	-	-	-	406	-	27	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	8,732	5,022	3,482	-	218	-	-	-	-
NATIONAL SCIENCE FOUNDATION	1,464	66	-	-	998	-	-	-	-
TENNESSEE TOTAL	435,486	15,325	106,538	222,746	70,935	8,929	9,816	-	1,197
DEPARTMENT OF AGRICULTURE	7,119	943	-	-	6,105	-	71	-	-
DEPARTMENT OF COMMERCE	186	100	6	-	58	-	2	-	20
DEPARTMENT OF DEFENSE	13,887	5,159	2,797	1,730	3,562	504	135	-	-
DEPARTMENT OF ENERGY	333,930	3,135	93,496	217,966	9,985	7,766	1,571	-	11
DEPARTMENT OF HEALTH & HUMAN SRVCS	57,424	3,091	-	1,194	44,208	659	7,904	-	368
DEPARTMENT OF THE INTERIOR	2,308	1,574	25	-	187	-	-	-	522
DEPARTMENT OF TRANSPORTATION	1,609	218	1,003	88	24	-	-	-	276
ENVIRONMENTAL PROTECTION AGENCY	8,830	-	7,987	-	843	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	3,590	1,105	1,108	-	1,377	-	133	-	-
NATIONAL SCIENCE FOUNDATION	6,603	-	116	1,768	4,586	-	-	-	-
WEST SOUTH CENTRAL TOTAL	1,698,411	310,065	1,026,599	201	302,611	-	44,470	-	14,465
DEPARTMENT OF AGRICULTURE	92,711	57,431	11	-	34,912	-	251	-	106
DEPARTMENT OF COMMERCE	9,772	5,129	750	-	2,798	-	170	-	925
DEPARTMENT OF DEFENSE	897,672	54,057	802,681	201	28,890	-	11,843	-	-
DEPARTMENT OF ENERGY	41,459	9,220	14,027	-	18,087	-	125	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	204,953	17,381	1,435	-	167,272	-	17,147	-	1,718
DEPARTMENT OF THE INTERIOR	12,786	6,480	325	-	1,405	-	101	-	4,475
DEPARTMENT OF TRANSPORTATION	39,290	3,070	23,215	-	1,784	-	3,980	-	7,241
ENVIRONMENTAL PROTECTION AGENCY	16,402	2,880	9,396	-	3,256	-	870	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	349,807	154,411	1[illegible],411	-	11,303	-	9,682	-	-
NATIONAL SCIENCE FOUNDATION	33,559	6	348	-	32,904	-	301	-	-

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TABLE C-106. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION, STATE, AGENCY, AND PERFORMER: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

- CONTINUED

GEOGRAPHIC DIVISION, STATE, AND AGENCY	TOTAL	FEDERAL INTRAMURAL 1/	EXTRAMURAL						
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NONPROFIT INSTITUTIONS	FFRDCS ADMIN BY NONPROFIT INSTITUTIONS	STATE AND LOCAL GOVTS
ARKANSAS									
TOTAL	31,365	16,768	2,466	-	10,421	-	160	-	1,550
DEPARTMENT OF AGRICULTURE	7,511	1,814	-	-	5,697	-	-	-	-
DEPARTMENT OF COMMERCE	321	21	-	-	50	-	125	-	125
DEPARTMENT OF DEFENSE	908	44	637	-	227	-	-	-	-
DEPARTMENT OF ENERGY	1,743	-	1,743	-	-	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	16,682	13,500	37	-	2,701	-	35	-	409
DEPARTMENT OF THE INTERIOR	1,915	1,389	3	-	-	-	-	-	523
DEPARTMENT OF TRANSPORTATION	555	-	31	-	31	-	-	-	493
ENVIRONMENTAL PROTECTION AGENCY	343	-	-	-	343	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	25	-	15	-	10	-	-	-	-
NATIONAL SCIENCE FOUNDATION	1,362	-	-	-	1,362	-	-	-	-
LOUISIANA									
TOTAL	186,591	35,481	108,954	-	36,951	-	2,634	-	2,971
DEPARTMENT OF AGRICULTURE	31,033	25,928	-	-	4,997	-	49	-	59
DEPARTMENT OF COMMERCE	1,921	701	-	-	980	-	-	-	240
DEPARTMENT OF DEFENSE	35,494	3,744	28,232	-	2,732	-	786	-	-
DEPARTMENT OF ENERGY	5,208	-	3,511	-	1,697	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	27,097	3,667	16	-	21,442	-	1,799	-	173
DEPARTMENT OF THE INTERIOR	2,789	1,242	-	-	643	-	-	-	904
DEPARTMENT OF TRANSPORTATION	2,008	150	113	-	150	-	-	-	1,595
ENVIRONMENTAL PROTECTION AGENCY	178	-	-	-	178	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	77,500	43	77,029	-	428	-	-	-	-
NATIONAL SCIENCE FOUNDATION	3,363	6	53	-	3,304	-	-	-	-
OKLAHOMA									
TOTAL	67,870	28,737	11,778	201	20,583	-	4,889	-	1,682
DEPARTMENT OF AGRICULTURE	10,653	5,416	-	-	5,086	-	151	-	-
DEPARTMENT OF COMMERCE	2,525	1,867	130	-	463	-	45	-	20
DEPARTMENT OF DEFENSE	11,586	5,511	2,736	201	2,821	-	317	-	-
DEPARTMENT OF ENERGY	9,772	8,830	324	-	618	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	10,718	-	-	-	6,544	-	4,167	-	7
DEPARTMENT OF THE INTERIOR	1,770	828	-	-	208	-	-	-	734
DEPARTMENT OF TRANSPORTATION	12,376	2,814	8,416	-	225	-	-	-	921
ENVIRONMENTAL PROTECTION AGENCY	3,889	2,880	121	-	888	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	1,698	591	51	-	865	-	191	-	-
NATIONAL SCIENCE FOUNDATION	2,883	-	-	-	2,865	-	18	-	-
TEXAS									
TOTAL	1,412,585	229,079	903,407	-	235,056	-	36,787	-	8,262
DEPARTMENT OF AGRICULTURE	43,514	24,273	11	-	19,132	-	51	-	47
DEPARTMENT OF COMMERCE	5,005	2,540	620	-	1,905	-	-	-	540
DEPARTMENT OF DEFENSE	849,684	44,758	771,076	-	22,110	-	10,740	-	-
DEPARTMENT OF ENERGY	24,736	390	8,449	-	15,772	-	125	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	150,456	214	1,382	-	136,489	-	11,146	-	1,129
DEPARTMENT OF THE INTERIOR	6,312	3,021	322	-	554	-	101	-	2,314
DEPARTMENT OF TRANSPORTATION	24,351	106	14,655	-	1,378	-	3,980	-	4,232
ENVIRONMENTAL PROTECTION AGENCY	11,992	-	9,275	-	1,847	-	870	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	270,584	153,777	97,316	-	10,000	-	9,491	-	-
NATIONAL SCIENCE FOUNDATION	25,951	-	295	-	25,373	-	283	-	-
MOUNTAIN									
TOTAL	3,913,118	1,499,887	972,336	555,498	276,014	508,787	38,504	42,384	19,708
DEPARTMENT OF AGRICULTURE	66,527	44,259	245	-	21,940	-	44	-	39
DEPARTMENT OF COMMERCE	43,599	36,313	1,527	-	4,464	293	507	-	495
DEPARTMENT OF DEFENSE	1,987,084	1,313,112	567,885	21,549	66,141	17,229	1,150	-	18
DEPARTMENT OF ENERGY	1,366,445	16,173	288,310	531,099	19,058	444,614	22,557	42,344	2,290
DEPARTMENT OF HEALTH & HUMAN SRVCS	120,358	12,859	2,090	-	92,719	-	11,300	-	1,390
DEPARTMENT OF THE INTERIOR	89,246	63,131	4,201	2,850	5,698	-	-	40	13,326
DEPARTMENT OF TRANSPORTATION	22,025	1,406	17,915	-	564	-	-	-	2,140
ENVIRONMENTAL PROTECTION AGENCY	10,617	4,651	1,763	-	3,823	-	370	-	10
NATIONAL AERONAUTICS AND SPACE ADMIN	113,238	7,669	87,728	-	16,281	-	1,560	-	-
NATIONAL SCIENCE FOUNDATION	93,979	314	672	-	45,326	46,651	1,016	-	-
ARIZONA									
TOTAL	419,323	234,220	167,206	-	50,802	11,855	1,696	-	3,534
DEPARTMENT OF AGRICULTURE	12,763	9,436	21	-	3,286	-	20	-	-
DEPARTMENT OF COMMERCE	32	12	-	-	-	-	-	-	20
DEPARTMENT OF DEFENSE	389,070	217,245	163,009	-	8,737	-	79	-	-
DEPARTMENT OF ENERGY	1,433	-	27	-	1,406	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	21,913	3,012	108	-	17,809	-	634	-	350
DEPARTMENT OF THE INTERIOR	6,226	3,536	60	-	167	-	-	-	2,463
DEPARTMENT OF TRANSPORTATION	2,200	-	1,330	-	169	-	-	-	701
ENVIRONMENTAL PROTECTION AGENCY	452	-	-	-	452	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	9,425	889	2,651	-	5,148	-	637	-	-
NATIONAL SCIENCE FOUNDATION	25,809	-	-	-	13,628	11,855	326	-	-

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TABLE C-106. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION, STATE, AGENCY, AND PERFORMER: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

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GEOGRAPHIC DIVISION, STATE, AND AGENCY	TOTAL	FEDERAL INTRAMURAL 1/	EXTRAMURAL						
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIV. AND COLLEGES	OTHER NONPROFIT INSTITUTIONS	FFRDCS ADMIN BY NONPROFIT INSTITUTIONS	STATE AND LOCAL GOVTS
COLORADO									
TOTAL	436,220	91,848	166,343	328	86,137	32,849	11,503	42,384	4,828
DEPARTMENT OF AGRICULTURE	16,555	11,574	53	-	4,904	-	24	-	-
DEPARTMENT OF COMMERCE	43,590	35,969	1,512	-	4,289	293	507	-	20
DEPARTMENT OF DEFENSE	135,834	4,930	120,048	-	10,617	-	239	-	-
DEPARTMENT OF ENERGY	52,324	1,135	2,697	328	5,820	-	-	42,344	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	48,066	2,063	261	-	36,610	-	8,811	-	321
DEPARTMENT OF THE INTERIOR	39,826	32,707	1,510	-	1,579	-	-	40	3,990
DEPARTMENT OF TRANSPORTATION	17,523	1,270	15,603	-	163	-	-	-	487
ENVIRONMENTAL PROTECTION AGENCY	2,495	-	1,211	-	904	-	370	-	10
NATIONAL AERONAUTICS AND SPACE ADMIN	31,922	1,886	23,382	-	5,743	-	911	-	-
NATIONAL SCIENCE FOUNDATION	49,085	314	66	-	15,508	32,556	641	-	-
IDAHO									
TOTAL	223,359	9,557	14,887	126,155	6,350	62,847	847	-	2,716
DEPARTMENT OF AGRICULTURE	10,091	6,157	5	-	3,929	-	-	-	-
DEPARTMENT OF COMMERCE	47	27	-	-	-	-	-	-	20
DEPARTMENT OF DEFENSE	3,301	170	1,503	-	1,068	-	560	-	-
DEPARTMENT OF ENERGY	199,397	407	11,537	123,305	166	62,847	177	-	958
DEPARTMENT OF HEALTH & HUMAN SRVCS	437	-	-	-	275	-	110	-	52
DEPARTMENT OF THE INTERIOR	9,398	2,796	1,787	2,850	436	-	-	-	1,529
DEPARTMENT OF TRANSPORTATION	169	-	12	-	-	-	-	-	157
ENVIRONMENTAL PROTECTION AGENCY	-	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	146	-	43	-	103	-	-	-	-
NATIONAL SCIENCE FOUNDATION	373	-	-	-	373	-	-	-	-
MONTANA									
TOTAL	35,041	16,312	8,246	-	7,448	-	521	-	2,514
DEPARTMENT OF AGRICULTURE	9,715	7,013	166	-	2,497	-	-	-	39
DEPARTMENT OF COMMERCE	99	7	-	-	72	-	-	-	20
DEPARTMENT OF DEFENSE	536	2	54	-	480	-	-	-	-
DEPARTMENT OF ENERGY	9,409	34	7,899	-	-	-	144	-	1,332
DEPARTMENT OF HEALTH & HUMAN SRVCS	7,215	5,253	-	-	1,537	-	377	-	48
DEPARTMENT OF THE INTERIOR	5,222	4,003	-	-	284	-	-	-	935
DEPARTMENT OF TRANSPORTATION	162	-	14	-	8	-	-	-	140
ENVIRONMENTAL PROTECTION AGENCY	609	-	-	-	609	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	77	-	-	-	77	-	-	-	-
NATIONAL SCIENCE FOUNDATION	1,997	-	113	-	1,884	-	-	-	-
NEVADA									
TOTAL	647,069	366,287	270,828	1,300	7,240	-	99	-	1,315
DEPARTMENT OF AGRICULTURE	1,997	706	-	-	1,291	-	-	-	-
DEPARTMENT OF COMMERCE	362	7	-	-	-	-	-	-	355
DEPARTMENT OF DEFENSE	362,709	355,186	7,306	-	217	-	-	-	-
DEPARTMENT OF ENERGY	266,804	22	263,295	1,300	2,187	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	857	-	-	-	758	-	99	-	-
DEPARTMENT OF THE INTERIOR	7,541	5,715	97	-	902	-	-	-	827
DEPARTMENT OF TRANSPORTATION	150	-	16	-	1	-	-	-	133
ENVIRONMENTAL PROTECTION AGENCY	5,652	4,651	41	-	960	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	319	-	73	-	246	-	-	-	-
NATIONAL SCIENCE FOUNDATION	678	-	-	-	678	-	-	-	-
NEW MEXICO									
TOTAL	1,804,860	716,293	206,770	427,715	27,689	401,236	22,966	-	2,191
DEPARTMENT OF AGRICULTURE	3,644	1,860	-	-	1,784	-	-	-	-
DEPARTMENT OF COMMERCE	353	277	-	-	56	-	-	-	20
DEPARTMENT OF DEFENSE	947,540	702,718	199,472	21,549	6,282	17,229	272	-	18
DEPARTMENT OF ENERGY	815,914	-	1,120	406,166	4,660	381,767	22,201	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	12,425	2,531	277	-	8,757	-	461	-	399
DEPARTMENT OF THE INTERIOR	6,048	4,088	28	-	270	-	-	-	1,662
DEPARTMENT OF TRANSPORTATION	1,098	136	738	-	132	-	-	-	92
ENVIRONMENTAL PROTECTION AGENCY	511	-	511	-	-	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	11,673	4,683	4,309	-	2,669	-	12	-	-
NATIONAL SCIENCE FOUNDATION	5,654	-	315	-	3,079	2,240	20	-	-
UTAH									
TOTAL	268,869	45,968	137,818	-	82,628	-	872	-	1,583
DEPARTMENT OF AGRICULTURE	8,889	6,228	-	-	2,661	-	-	-	-
DEPARTMENT OF COMMERCE	89	7	15	-	47	-	-	-	20
DEPARTMENT OF DEFENSE	146,645	32,849	76,493	-	37,303	-	-	-	-
DEPARTMENT OF ENERGY	6,313	-	1,735	-	4,543	-	35	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	28,588	-	1,355	-	26,205	-	808	-	220
DEPARTMENT OF THE INTERIOR	9,961	6,773	686	-	1,411	-	-	-	1,091
DEPARTMENT OF TRANSPORTATION	429	-	86	-	91	-	-	-	252
ENVIRONMENTAL PROTECTION AGENCY	380	-	-	-	380	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	59,170	111	57,270	-	1,789	-	-	-	-
NATIONAL SCIENCE FOUNDATION	8,405	-	178	-	8,198	-	29	-	-

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TABLE C-106. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION, STATE, AGENCY, AND PERFORMER: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

- CONTINUED

GEOGRAPHIC DIVISION, STATE, AND AGENCY	TOTAL	FEDERAL INTRAMURAL 1/	EXTRAMURAL						
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NONPROFIT INSTITUTIONS	FFRDCS ADMIN BY NONPROFIT INSTITUTIONS	STATE AND LOCAL GOVTS
WYOMING									
TOTAL	28,377	19,392	238	-	7,720	-	-	-	1,027
DEPARTMENT OF AGRICULTURE	2,873	1,285	-	-	1,588	-	-	-	-
DEPARTMENT OF COMMERCE	27	7	-	-	-	-	-	-	20
DEPARTMENT OF DEFENSE	1,449	12	-	-	1,437	-	-	-	-
DEPARTMENT OF ENERGY	14,851	14,575	-	-	276	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	857	-	89	-	768	-	-	-	-
DEPARTMENT OF THE INTERIOR	5,024	3,513	33	-	649	-	-	-	829
DEPARTMENT OF TRANSPORTATION	294	-	216	-	-	-	-	-	178
ENVIRONMENTAL PROTECTION AGENCY	518	-	-	-	518	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	506	-	-	-	506	-	-	-	-
NATIONAL SCIENCE FOUNDATION	1,978	-	-	-	1,978	-	-	-	-
PACIFIC									
TOTAL	9,369,009	1,321,258	5,470,051	145,962	975,723	887,279	227,751	307,935	33,050
DEPARTMENT OF AGRICULTURE	100,852	68,478	84	-	31,281	-	488	-	521
DEPARTMENT OF COMMERCE	63,451	37,768	5,249	-	17,987	143	365	-	1,939
DEPARTMENT OF DEFENSE	6,377,141	971,076	4,835,346	275	169,690	70,084	72,356	258,754	60
DEPARTMENT OF ENERGY	1,056,402	40,822	134,461	145,687	59,077	621,911	6,931	45,489	2,028
DEPARTMENT OF HEALTH & HUMAN SRVCS	620,492	3,221	10,823	-	443,810	14,816	132,235	3,651	11,936
DEPARTMENT OF THE INTERIOR	79,207	63,055	2,306	-	6,865	40	-	-	6,941
DEPARTMENT OF TRANSPORTATION	46,810	4,730	29,640	-	1,713	3,025	-	-	7,702
ENVIRONMENTAL PROTECTION AGENCY	34,937	5,192	21,358	-	6,136	254	927	-	1,070
NATIONAL AERONAUTICS AND SPACE ADMIN	788,041	126,727	424,513	-	53,694	176,813	5,809	495	10
NATIONAL SCIENCE FOUNDATION	201,656	189	6,271	-	185,470	193	8,640	50	843
ALASKA									
TOTAL	40,404	22,654	5,403	-	8,643	-	71	-	3,633
DEPARTMENT OF AGRICULTURE	4,786	3,690	-	-	1,096	-	-	-	-
DEPARTMENT OF COMMERCE	5,499	2,604	1,907	-	243	-	2	-	743
DEPARTMENT OF DEFENSE	11,426	6,948	3,027	-	1,451	-	-	-	-
DEPARTMENT OF ENERGY	268	-	69	-	199	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	407	31	-	-	104	-	69	-	203
DEPARTMENT OF THE INTERIOR	12,015	9,335	99	-	317	-	-	-	2,264
DEPARTMENT OF TRANSPORTATION	609	46	140	-	-	-	-	-	423
ENVIRONMENTAL PROTECTION AGENCY	-	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	1,506	-	161	-	1,345	-	-	-	-
NATIONAL SCIENCE FOUNDATION	3,888	-	-	-	3,888	-	-	-	-
CALIFORNIA									
TOTAL	8,439,931	1,143,229	5,154,[illegible]	36,479	753,683	887,279	186,093	258,259	20,304
DEPARTMENT OF AGRICULTURE	54,125	39,961	37	-	13,499	-	221	-	407
DEPARTMENT OF COMMERCE	13,233	7,098	1,119	-	4,370	143	[illegible]	-	240
DEPARTMENT OF DEFENSE	6,001,252	904,[illegible]	4,551,849	275	145,209	70,084	[illegible],321	257,855	-
DEPARTMENT OF ENERGY	853,581	[illegible],333	120,939	36,204	46,251	621,911	631	112	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	483,831	1,961	9,486	-	347,953	14,816	99,315	-	10,280
DEPARTMENT OF THE INTERIOR	40,429	31,054	1,872	-	5,060	40	-	-	2,403
DEPARTMENT OF TRANSPORTATION	34,755	[illegible],595	20,928	-	1,021	3,025	-	-	5,186
ENVIRONMENTAL PROTECTION AGENCY	27,377	-	21,300	-	4,104	254	784	-	935
NATIONAL AERONAUTICS AND SPACE ADMIN	774,416	126,379	421,810	-	43,569	176,813	5,543	292	10
NATIONAL SCIENCE FOUNDATION	156,932	189	5,265	-	142,647	193	7,795	-	843
HAWAII									
TOTAL	71,368	29,365	5,411	-	27,227	-	8,400	-	965
DEPARTMENT OF AGRICULTURE	5,237	2,584	-	-	2,522	-	115	-	16
DEPARTMENT OF COMMERCE	5,814	2,213	963	-	2,593	-	11	-	34
DEPARTMENT OF DEFENSE	30,448	22,396	4,185	-	3,787	-	20	-	60
DEPARTMENT OF ENERGY	6,701	-	-	-	1,401	-	5,300	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	9,032	85	72	-	6,095	-	2,489	-	291
DEPARTMENT OF THE INTERIOR	2,799	2,087	-	-	434	-	-	-	278
DEPARTMENT OF TRANSPORTATION	304	-	18	-	-	-	-	-	286
ENVIRONMENTAL PROTECTION AGENCY	242	-	-	-	242	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	5,249	-	24	-	5,225	-	-	-	-
NATIONAL SCIENCE FOUNDATION	5,542	-	249	-	4,928	-	465	-	-
OREGON									
TOTAL	107,972	31,464	5,964	-	56,648	-	9,595	-	4,301
DEPARTMENT OF AGRICULTURE	20,180	12,324	-	-	7,758	-	-	-	98
DEPARTMENT OF COMMERCE	2,324	-	-	-	2,219	-	-	-	105
DEPARTMENT OF DEFENSE	8,741	138	1,433	-	7,170	-	-	-	-
DEPARTMENT OF ENERGY	10,525	3,004	3,629	-	2,007	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	30,913	-	35	-	20,851	-	9,401	-	1,885
DEPARTMENT OF THE INTERIOR	11,998	10,570	161	-	412	-	-	-	626
DEPARTMENT OF TRANSPORTATION	1,092	7	224	-	229	-	-	-	855
ENVIRONMENTAL PROTECTION AGENCY	6,732	5,192	49	-	1,391	-	-	-	632
NATIONAL AERONAUTICS AND SPACE ADMIN	1,765	229	319	-	1,024	-	193	-	100
NATIONAL SCIENCE FOUNDATION	13,702	-	114	-	13,587	-	1	-	-

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TABLE C-106. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION, STATE, AGENCY, AND PERFORMER: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

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GEOGRAPHIC DIVISION, STATE, AND AGENCY	TOTAL	FEDERAL INTRAMURAL 1/	EXTRAMURAL						
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NONPROFIT INSTITU-TIONS	FFRDCS ADMIN BY NON-PROFIT INSTITU-TIONS	STATE AND LOCAL GOVTS
WASHINGTON TOTAL	709,334	94,546	298,668	109,483	129,522	-	23,592	49,676	3,847
DEPARTMENT OF AGRICULTURE	16,524	9,919	47	-	6,406	-	152	-	-
DEPARTMENT OF COMMERCE	34,581	25,853	1,260	-	8,562	-	89	-	817
DEPARTMENT OF DEFENSE	325,274	36,935	274,852	-	12,073	-	1,015	399	-
DEPARTMENT OF ENERGY	185,327	10,485	9,824	109,483	9,219	-	800	45,373	143
DEPARTMENT OF HEALTH & HUMAN SRVCS	96,309	1,144	1,230	-	68,807	-	20,941	3,651	536
DEPARTMENT OF THE INTERIOR	11,966	10,009	174	-	642	-	-	-	1,141
DEPARTMENT OF TRANSPORTATION	10,050	82	8,330	-	463	-	-	-	1,175
ENVIRONMENTAL PROTECTION AGENCY	586	-	9	-	399	-	143	-	35
NATIONAL AERONAUTICS AND SPACE ADMIN	5,125	119	2,199	-	2,531	-	73	203	-
NATIONAL SCIENCE FOUNDATION	21,592	-	743	-	20,420	-	379	50	-
OUTLYING AREAS TOTAL	32,032	19,048	127	-	11,441	-	3	-	1,418
DEPARTMENT OF AGRICULTURE	8,253	2,508	-	-	5,745	-	-	-	-
DEPARTMENT OF COMMERCE	838	228	10	-	149	-	3	-	448
DEPARTMENT OF DEFENSE	16,137	15,807	62	-	268	-	-	-	-
DEPARTMENT OF ENERGY	390	-	-	-	390	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	4,454	355	-	-	3,918	-	-	-	181
DEPARTMENT OF THE INTERIOR	1,129	150	-	-	190	-	-	-	789
DEPARTMENT OF TRANSPORTATION	55	-	50	-	5	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	-	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	-	-	-	-	-	-	-	-	-
NATIONAL SCIENCE FOUNDATION	776	-	-	-	776	-	-	-	-
OFFICES ABROAD TOTAL	50,978	14,313	27,198	-	1,829	6,460	324	-	854
DEPARTMENT OF AGRICULTURE	3,121	2,318	-	-	-	-	-	-	803
DEPARTMENT OF COMMERCE	-	-	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE	41,228	11,995	27,198	-	1,788	-	247	-	-
DEPARTMENT OF ENERGY	-	-	-	-	-	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	-	-	-	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR	-	-	-	-	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION	-	-	-	-	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY	169	-	-	-	41	-	77	-	51
NATIONAL AERONAUTICS AND SPACE ADMIN	-	-	-	-	-	-	-	-	-
NATIONAL SCIENCE FOUNDATION	6,460	-	-	-	-	6,460	-	-	-

1/ FEDERAL INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

NOTE: THE OBLIGATIONS OF THE TEN MAJOR R&D SUPPORTING AGENCIES INCLUDED IN THIS TABLE REPRESENT MORE THAN 97 PERCENT OF TOTAL FEDERAL R&D OBLIGATIONS IN FY 1983.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-107. FEDERAL OBLIGATIONS FOR R&D PLANT, BY GEOGRAPHIC DIVISION, STATE, AND PERFORMER SUPPORTED: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

GEOGRAPHIC DIVISION AND STATE	TOTAL	FEDERAL INTRA-MURAL	EXTRAMURAL						
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NONPROFIT INSTITUTIONS	FFRDCS ADMIN BY NONPROFIT INSTITUTIONS	STATE AND LOCAL GOVTS
TOTAL	1,280,886	382,000	260,356	166,428	30,600	353,046	80,549	7,907	-
NEW ENGLAND	37,521	25,025	974	600	9,222	1,700	-	-	-
CONNECTICUT	5,452	4,486	32	600	334	-	-	-	-
MAINE	26	26	-	-	-	-	-	-	-
MASSACHUSETTS	29,451	18,528	942	-	8,281	1,700	-	-	-
NEW HAMPSHIRE	707	100	-	-	607	-	-	-	-
RHODE ISLAND	1,885	1,885	-	-	-	-	-	-	-
VERMONT	-	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC	138,224	39,430	9,731	45,894	3,719	37,860	1,590	-	-
NEW JERSEY	42,007	24,664	1,990	-	110	15,243	-	-	-
NEW YORK	76,984	9,484	796	39,400	3,097	22,617	1,590	-	-
PENNSYLVANIA	19,233	5,282	6,945	6,494	512	-	-	-	-
EAST NORTH CENTRAL	92,334	3,689	6,880	-	3,713	78,052	-	-	-
ILLINOIS	80,348	1,827	59	-	545	77,917	-	-	-
INDIANA	1,351	178	76	-	962	135	-	-	-
MICHIGAN	1,080	158	-	-	922	-	-	-	-
OHIO	7,648	671	6,745	-	252	-	-	-	-
WISCONSIN	1,887	855	-	-	1,032	-	-	-	-
WEST NORTH CENTRAL	11,391	7,877	858	-	741	1,915	-	-	-
IOWA	2,719	804	-	-	-	1,915	-	-	-
KANSAS	229	179	50	-	-	-	-	-	-
MINNESOTA	766	267	304	-	195	-	-	-	-
MISSOURI	6,024	5,124	354	-	546	-	-	-	-
NEBRASKA	511	511	-	-	-	-	-	-	-
NORTH DAKOTA	912	912	-	-	-	-	-	-	-
SOUTH DAKOTA	230	80	150	-	-	-	-	-	-
SOUTH ATLANTIC	252,312	110,473	106,110	29,981	3,778	-	1,870	100	-
DELAWARE	415	45	20	-	350	-	-	-	-
DISTRICT OF COLUMBIA	24,650	24,445	205	-	-	-	-	-	-
FLORIDA	37,488	25,707	11,543	-	238	-	-	-	-
GEORGIA	2,098	1,144	10	-	944	-	-	-	-
MARYLAND	80,911	46,649	32,160	1,500	602	-	-	-	-
NORTH CAROLINA	4,073	589	2,636	-	878	-	-	-	-
SOUTH CAROLINA	49,593	284	40,500	6,690	249	-	1,870	-	-
VIRGINIA	29,798	10,187	18,994	-	517	-	-	100	-
WEST VIRGINIA	23,286	1,453	42	21,791	-	-	-	-	-
EAST SOUTH CENTRAL	40,293	4,325	7,151	25,019	3,408	390	-	-	-
ALABAMA	6,111	129	3,757	-	2,225	-	-	-	-
KENTUCKY	384	75	23	-	286	-	-	-	-
MISSISSIPPI	6,466	3,999	2,090	-	377	-	-	-	-
TENNESSEE	27,332	122	1,281	25,019	520	390	-	-	-
WEST SOUTH CENTRAL	9,951	3,481	3,552	-	2,918	-	-	-	-
ARKANSAS	1,500	56	1,000	-	444	-	-	-	-
LOUISIANA	2,445	1,511	500	-	434	-	-	-	-
OKLAHOMA	1,273	364	233	-	476	-	-	-	-
TEXAS	4,733	1,350	1,819	-	1,564	-	-	-	-
MOUNTAIN	295,028	36,637	58,328	54,741	318	68,353	76,562	89	-
ARIZONA	5,444	5,404	-	-	40	-	-	-	-
COLORADO	44,418	19,530	24,641	10	148	-	-	89	-
IDAHO	19,700	272	-	9,559	-	9,869	-	-	-
MONTANA	153	153	-	-	-	-	-	-	-
NEVADA	32,978	55	32,923	-	-	-	-	-	-
NEW MEXICO	191,792	10,877	697	45,172	-	58,484	76,562	-	-
UTAH	460	263	67	-	130	-	-	-	-
WYOMING	83	83	-	-	-	-	-	-	-
PACIFIC	402,443	150,272	66,283	10,193	2,674	164,776	527	7,718	-
ALASKA	21,338	21,338	-	-	-	-	-	-	-
CALIFORNIA	363,727	127,970	65,252	7,603	2,599	164,776	527	-	-
HAWAII	116	118	-	-	-	-	-	-	-
OREGON	209	209	-	-	-	-	-	-	-
WASHINGTON	12,051	637	1,031	2,590	75	-	-	7,718	-
OUTLYING AREAS	212	103	-	-	109	-	-	-	-
OFFICES ABROAD	1,177	688	489	-	-	-	-	-	-

NOTE: THE OBLIGATIONS OF THE TEN MAJOR R&D SUPPORTING AGENCIES INCLUDED IN THIS TABLE REPRESENT MORE THAN 99 PERCENT OF TOTAL FEDERAL R&D PLANT OBLIGATIONS IN FY 1983.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-108. FEDERAL OBLIGATIONS FOR R&D PLANT, BY GEOGRAPHIC DIVISION, STATE, AND AGENCY: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

GEOGRAPHIC DIVISION AND STATE	TOTAL	DEPT OF AGRICULTURE	DEPT OF COMMERCE	DEPT OF DEFENSE	DEPT OF ENERGY	DEPT OF HEALTH & HUMAN SERVICES	DEPT OF THE INTERIOR	DEPT OF TRANSPORTATION	ENVIRONMENTAL PROTECTION AGENCY	NATIONAL AERONAUTICS & SPACE ADMIN	NATIONAL SCIENCE FOUNDATION
TOTAL	1,280,886	33,854	677	312,900	757,668	47,375	2,394	21,900	-	100,770	3,248
NEW ENGLAND	37,521	396	-	26,079	9,659	607	48	-	-	732	-
CONNECTICUT	5,452	-	-	4,336	1,084	-	-	-	-	32	-
MAINE	26	26	-	-	-	-	-	-	-	-	-
MASSACHUSETTS	29,451	370	-	19,858	8,475	-	48	-	-	700	-
NEW HAMPSHIRE	707	-	-	-	100	607	-	-	-	-	-
RHODE ISLAND	1,885	-	-	1,885	-	-	-	-	-	-	-
VERMONT	-	-	-	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC	138,224	1,706	-	14,967	96,526	329	45	21,400	-	2,033	1,218
NEW JERSEY	42,007	19	-	3,245	15,353	-	-	21,400	-	772	1,218
NEW YORK	76,984	786	-	8,463	66,610	329	45	-	-	751	-
PENNSYLVANIA	19,233	901	-	3,259	14,543	-	-	-	-	510	-
EAST NORTH CENTRAL	92,334	2,079	-	2	83,022	564	439	500	-	5,696	32
ILLINOIS	80,348	1,158	-	-	79,150	-	-	-	-	40	-
INDIANA	1,351	176	-	2	533	564	-	-	-	76	-
MICHIGAN	1,080	158	-	-	922	-	-	-	-	-	-
OHIO	7,668	171	-	-	1,385	-	-	500	-	5,580	32
WISCONSIN	1,887	416	-	-	1,032	-	439	-	-	-	-
WEST NORTH CENTRAL	11,391	3,369	-	4,874	2,290	-	200	-	-	658	-
IOWA	2,719	804	-	-	1,915	-	-	-	-	-	-
KANSAS	229	179	-	-	-	-	50	-	-	-	-
MINNESOTA	766	267	-	-	195	-	-	-	-	304	-
MISSOURI	6,024	796	-	4,874	-	-	-	-	-	354	-
NEBRASKA	511	511	-	-	-	-	-	-	-	-	-
NORTH DAKOTA	912	732	-	-	180	-	-	-	-	-	-
SOUTH DAKOTA	230	80	-	-	-	-	150	-	-	-	-
SOUTH ATLANTIC	252,312	11,784	540	81,698	77,295	45,375	959	-	-	33,483	1,218
DELAWARE	415	395	-	-	-	-	-	-	-	20	-
DISTRICT OF COLUMBIA	24,650	1,924	-	20,943	392	-	-	-	-	173	1,218
FLORIDA	37,488	979	-	24,966	-	-	-	-	-	11,543	-
GEORGIA	2,098	1,844	-	-	244	-	-	-	-	10	-
MARYLAND	80,911	4,186	540	25,743	387	45,139	752	-	-	4,164	-
NORTH CAROLINA	4,073	1,123	-	-	2,578	236	-	-	-	136	-
SOUTH CAROLINA	49,893	533	-	-	49,060	-	-	-	-	-	-
VIRGINIA	29,798	550	-	10,046	1,600	-	207	-	-	17,395	-
WEST VIRGINIA	23,286	250	-	-	22,994	-	-	-	-	42	-
EAST SOUTH CENTRAL	40,293	4,399	-	3,223	25,498	-	49	-	-	7,124	-
ALABAMA	6,111	2,323	-	-	25	-	49	-	-	3,714	-
KENTUCKY	384	361	-	-	-	-	-	-	-	23	-
MISSISSIPPI	6,466	1,157	-	3,221	-	-	-	-	-	2,088	-
TENNESSEE	27,332	558	-	2	25,473	-	-	-	-	1,299	-
WEST SOUTH CENTRAL	9,951	5,576	-	227	596	1,000	-	-	-	2,552	-
ARKANSAS	1,500	500	-	-	-	1,000	-	-	-	-	-
LOUISIANA	2,445	1,718	-	227	-	-	-	-	-	500	-
OKLAHOMA	1,273	608	-	-	432	-	-	-	-	233	-
TEXAS	4,733	2,750	-	-	164	-	-	-	-	1,819	-
MOUNTAIN	255,028	1,607	137	34,856	233,983	-	200	-	-	24,245	-
ARIZONA	5,444	402	-	5,002	40	-	-	-	-	-	-
COLORADO	44,418	459	137	19,000	572	-	100	-	-	24,150	-
IDAHO	19,700	272	-	-	19,428	-	-	-	-	-	-
MONTANA	153	153	-	-	-	-	-	-	-	-	-
NEVADA	32,978	33	-	40	32,905	-	-	-	-	-	-
NEW MEXICO	191,792	85	-	10,812	180,845	-	-	-	-	30	-
UTAH	460	163	-	2	130	-	100	-	-	65	-
WYOMING	83	40	-	-	43	-	-	-	-	-	-
PACIFIC	402,443	2,700	-	146,021	228,730	-	454	-	-	23,798	780
ALASKA	21,338	38	-	21,300	-	-	-	-	-	-	-
CALIFORNIA	368,727	1,869	-	124,717	217,641	-	188	-	-	23,532	780
HAWAII	118	118	-	-	-	-	-	-	-	-	-
OREGON	209	209	-	-	-	-	-	-	-	-	-
WASHINGTON	12,051	466	-	4	11,089	-	266	-	-	226	-
OUTLYING AREAS	212	103	-	-	109	-	-	-	-	-	-
OFFICES ABROAD	1,177	135	-	553	-	-	-	-	-	489	-

NOTE: THE OBLIGATIONS OF THE TEN MAJOR R&D SUPPORTING AGENCIES INCLUDED IN THIS TABLE REPRESENT MORE THAN 99 PERCENT OF TOTAL FEDERAL R&D PLANT OBLIGATIONS IN FY 1983.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-109. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT TO INTRAMURAL PERFORMERS FOR PERSONNEL COSTS, BY AGENCY: FISCAL YEARS 1983, 1984, AND 1985

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ACTUAL, 1983			ESTIMATES					
				1984			1985		
	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL
TOTAL, ALL AGENCIES	10,581,919	4,913,753	46.44	12,287,167	5,628,481	45.81	13,387,600	6,023,674	44.99
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	559,080	234,024	59.75	576,014	360,219	62.54	582,903	347,677	59.65
AGRICULTURAL COOPERATIVE SERVICE	1,752	1,121	63.98	1,680	1,025	61.01	1,426	1,055	73.98
AGRICULTURAL MARKETING SERVICE	1,071	610	56.96	1,543	1,111	72.00	-	-	-
AGRICULTURAL RESEARCH SERVICE	400,907	216,488	54.00	410,054	233,617	56.97	419,650	222,414	53.00
COOPERATIVE STATE RESEARCH SERVICE	6,900	6,900	100.00	7,511	7,511	100.00	7,672	7,672	100.00
ECONOMIC RESEARCH SERVICE	36,226	28,744	79.35	42,329	32,827	77.55	45,880	33,733	73.52
FOREST SERVICE	98,318	72,745	73.99	99,432	76,322	76.76	94,495	74,892	79.25
HUMAN NUTRITION INFORMATION SERVICE	5,100	2,300	45.10	3,800	2,400	63.16	3,800	2,400	63.16
OFF OF INTERNAT'L COOPERATION & DEV.	1,069	691	64.64	1,176	578	49.14	1,294	598	46.21
OFFICE OF TRANSPORTATION	849	635	74.79	989	703	71.06	986	678	68.76
STATISTICAL REPORTING SERVICE	6,888	3,788	54.99	7,500	4,125	55.00	7,700	4,235	55.00
DEPARTMENT OF COMMERCE, TOTAL	251,789	177,363	70.44	256,114	179,866	70.23	222,884	157,757	70.78
BUREAU OF THE CENSUS	4,240	3,305	77.95	4,247	3,198	75.30	4,871	3,849	79.02
ECONOMIC DEVELOPMENT ADMINISTRATION	1,080	300	27.78	1,080	300	27.78	-	-	-
NATIONAL BUREAU OF STANDARDS	89,119	61,699	69.23	89,604	59,791	66.73	85,863	63,705	74.19
NAT'L OCEANIC & ATMOSPHERIC ADMIN	149,091	106,677	71.55	152,499	111,527	73.13	123,584	84,882	68.68
NAT'L TELECOMM & INFORMATION ADMIN	8,257	5,380	65.16	8,654	5,020	58.01	8,545	5,300	62.02
OFFICE OF THE SECRETARY	2	2	100.00	30	30	100.00	21	21	100.00
DEPARTMENT OF DEFENSE, TOTAL	6,400,769	2,711,238	42.36	7,674,241	3,180,372	41.44	8,672,678	3,601,183	41.52
DEPARTMENT OF THE ARMY	1,664,783	720,280	43.27	1,795,016	810,115	45.13	1,941,690	886,973	45.68
DEPARTMENT OF THE NAVY	2,029,797	1,035,374	51.01	2,181,949	1,076,786	49.35	2,651,473	1,289,361	48.63
DEPARTMENT OF THE AIR FORCE	1,952,625	592,618	30.35	2,602,101	738,068	28.36	2,392,682	698,558	29.21
DEFENSE AGENCIES	698,667	361,591	51.75	1,049,000	553,953	52.81	1,635,179	724,691	44.32
DIRECTOR OF TEST & EVALUATION, DEFENSE	54,897	1,375	2.50	46,175	1,450	3.14	51,654	1,600	3.10
DEPARTMENT OF EDUCATION	11,535	9,774	84.73	11,026	10,194	92.45	10,815	10,139	93.75
DEPARTMENT OF ENERGY	257,549	91,883	35.68	302,044	121,971	40.38	287,442	90,457	31.47
DEPT OF HLTH & HUMAN SERVICES, TOTAL	1,033,872	463,318	44.81	1,143,202	505,936	44.26	1,155,822	514,448	44.51
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	126,326	60,012	47.51	133,880	64,331	48.05	133,932	64,174	47.92
CENTERS FOR DISEASE CONTROL	51,436	43,720	85.00	55,185	46,907	85.00	55,680	47,238	84.84
FOOD & DRUG ADMINISTRATION	67,070	44,022	65.64	71,600	47,307	66.07	73,320	48,282	65.85
HEALTH CARE FINANCING ADMIN	1,065	300	28.17	3,109	900	28.95	2,885	870	30.16
HEALTH RESOURCES AND SERVICES ADMINISTRATION	2,191	1,593	72.71	1,930	1,685	87.31	1,780	1,385	77.81
HUMAN DEVELOPMENT SERVICES	2,636	1,667	63.24	2,326	1,585	68.14	1,114	802	71.99
NATIONAL INSTITUTES OF HEALTH	768,614	300,876	39.15	934,818	330,367	38.65	869,932	339,046	38.97
OFFICE OF ASST'T SECY FOR HEALTH	6,305	4,407	69.90	8,952	6,232	69.62	8,170	5,692	69.67
OFFICE OF THE SECRETARY	2,116	753	35.59	2,600	1,000	38.46	2,000	1,000	50.00
SOCIAL SECURITY ADMINISTRATION	6,113	5,968	97.63	8,802	5,622	63.87	7,009	5,959	85.02
DEPT OF HOUSING & URBAN DEVELOPMENT	18,687	6,538	34.99	16,612	5,813	34.99	17,830	6,240	35.00
DEPARTMENT OF THE INTERIOR, TOTAL	274,061	180,190	65.75	306,935	204,512	66.63	276,950	181,736	65.62
BUREAU OF LAND MANAGEMENT	3,397	1,674	49.28	3,620	1,995	54.96	3,148	1,752	55.65
BUREAU OF MINES	57,927	46,741	80.69	81,264	65,653	80.69	57,417	44,329	80.69
BUREAU OF RECLAMATION	7,441	5,216	70.08	4,812	4,825	69.95	7,808	5,470	70.06
GEOLOGICAL SURVEY	146,313	86,003	58.78	154,091	90,459	58.70	145,313	85,185	58.59
MINERAL MANAGEMENT SERVICE	335	268	80.00	335	268	80.00	335	268	80.00
NATIONAL PARK SERVICE	10,554	950	9.00	10,000	900	9.00	10,500	945	9.00
OFFICE OF THE SECRETARY	52	52	100.00	116	116	100.00	-	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	465	423	90.97	640	220	34.38	640	222	34.69
OFFICE OF WATER RSCH & TECHNOLOGY	951	763	80.23	1,019	764	74.98	500	350	70.00
US FISH & WILDLIFE SERVICE	46,626	38,101	81.72	48,828	39,502	80.49	51,219	41,215	80.47
DEPARTMENT OF JUSTICE, TOTAL	2,870	1,678	58.47	2,991	1,762	58.91	2,743	1,548	56.43
DRUG ENFORCEMENT ADMINISTRATION	600	600	100.00	700	700	100.00	500	500	100.00
FEDERAL BUREAU OF INVESTIGATION	275	275	100.00	275	275	100.00	275	275	100.00
FEDERAL PRISON SYSTEM	860	470	54.65	860	470	54.65	860	470	54.65
IMMIGRATION & NATURALIZATION SVC	80	80	100.00	80	80	100.00	80	80	100.00
OFF OF JUSTICE ASSIST, RSCH, & STA	1,052	251	23.86	1,070	234	21.87	1,027	222	21.62
OFFICE OF LEGAL POLICY	3	2	66.67	6	3	50.00	1	1	100.00
DEPARTMENT OF LABOR, TOTAL	5,676	4,784	84.28	6,065	4,997	82.39	6,144	4,982	81.09
BUREAU OF LABOR STATISTICS	665	599	90.08	547	492	89.95	621	559	90.02
EMPLOYMENT STANDARDS ADMINISTRATION	800	700	87.50	835	735	88.02	863	763	88.41
EMPLOYMENT AND TRAINING ADMIN	1,320	620	46.97	1,600	687	42.94	1,426	426	29.87
LABOR-MANAGEMENT SERVICES ADMIN	882	882	100.00	926	926	100.00	972	972	100.00
OCCUPATIONAL SAFETY & HEALTH ADMIN	426	400	93.90	400	400	100.00	400	400	100.00
OFFICE OF THE SECRETARY	1,525	1,525	100.00	1,700	1,700	100.00	1,800	1,800	100.00
PENSION BENEFIT GUARANTEE CORPORATION	58	58	100.00	57	57	100.00	62	62	100.00

CONTINUED ON NEXT PAGE

TABLE C-109. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT TO INTRAMURAL PERFORMERS FOR PERSONNEL COSTS, BY AGENCY: FISCAL YEARS 1983, 1984, AND 1985

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	ACTUAL, 1983			ESTIMATES					
				1984			1985		
	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL
DEPARTMENT OF STATE, TOTAL	812	651	80.17	807	647	80.17	885	700	79.10
DEPARTMENTAL FUNDS	812	651	80.17	807	647	80.17	885	700	79.10
DEPARTMENT OF TRANSPORTATION, TOTAL	75,570	37,587	49.74	93,248	41,609	44.62	111,232	59,011	53.05
COAST GUARD	11,621	3,138	27.00	13,704	3,695	26.96	13,746	3,705	26.95
FEDERAL AVIATION ADMINISTRATION	30,102	16,555	55.00	35,144	19,329	55.00	64,158	36,384	55.00
FEDERAL HIGHWAY ADMINISTRATION	2,051	1,000	48.76	2,000	1,000	50.00	2,000	1,000	50.00
FEDERAL RAILROAD ADMINISTRATION	4,613	3,043	65.97	14,600	3,760	25.75	4,300	3,250	75.58
MARITIME ADMINISTRATION	760	420	55.26	2,173	515	23.70	750	750	100.00
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	7,909	4,708	59.53	8,694	5,252	60.41	9,640	5,824	60.41
OFFICE OF THE SECRETARY	2,864	2,186	76.33	3,180	2,618	82.33	3,400	2,949	86.74
RESEARCH & SPECIAL PROGRAMS ADMIN	2,650	1,573	61.69	2,600	1,618	62.23	2,000	1,325	66.25
URBAN MASS TRANSPORTATION ADMIN	13,100	4,964	37.89	11,153	3,822	34.27	9,238	3,822	41.37
DEPARTMENT OF THE TREASURY, TOTAL	8,211	4,203	51.19	8,933	4,818	53.93	17,771	12,768	71.85
BUREAU OF ENGRAVING AND PRINTING	2,000	656	32.80	2,735	763	27.90	3,248	801	24.66
INTERNAL REVENUE SERVICE	6,099	3,432	56.32	5,908	3,933	66.57	13,923	11,811	84.83
OFFICE OF PROTECTIVE RESEARCH	37	37	100.00	190	22	11.58	500	56	11.20
UNITED STATES CUSTOMS SERVICE	75	75	100.00	100	100	100.00	100	100	100.00
OTHER AGENCIES									
ADVISORY COMM ON INTERGOV'TL RELATIONS	2,110	1,192	56.49	2,064	1,334	64.63	2,151	1,419	65.97
AGENCY FOR INTERNAT'L DEVELOPMENT	20,550	14,443	70.28	13,495	9,418	69.79	13,156	9,164	69.66
APPALACHIAN REGIONAL COMMISSION	15	12	80.00	25	19	76.00	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION	533	138	25.89	970	270	27.84	709	279	39.35
ENVIRONMENTAL PROTECTION AGENCY	93,214	67,784	72.72	97,525	70,189	71.97	104,818	71,562	68.27
FEDERAL COMMUNICATIONS COMMISSION	1,270	1,270	100.00	1,448	1,448	100.00	1,272	1,272	100.00
FEDERAL EMERGENCY MANAGEMENT AGENCY	1,183	556	47.00	1,170	550	47.01	2,183	1,026	47.00
FEDERAL HOME LOAN BANK BOARD	2,792	1,861	66.65	2,770	1,677	60.54	2,700	1,625	60.19
FEDERAL TRADE COMMISSION	1,364	1,205	88.34	1,558	1,461	93.77	1,669	1,569	94.01
GENERAL SERVICES ADMINISTRATION	488	366	75.00	873	654	74.91	510	383	75.10
INTERNATIONAL TRADE COMMISSION	4,672	3,644	78.00	4,584	3,576	78.01	5,529	4,306	78.01
LIBRARY OF CONGRESS	6,806	3,632	53.36	5,939	3,640	61.29	6,119	3,800	62.10
NATIONAL AERONAUTICS & SPACE ADMIN	1,134,436	554,197	48.85	1,260,995	618,712	49.08	1,376,826	654,320	47.52
NATIONAL SCIENCE FOUNDATION	130,784	49,270	37.68	137,825	50,330	36.52	159,194	51,242	32.19
NUCLEAR REGULATORY COMMISSION	22,358	13,223	56.61	21,899	12,730	58.13	22,751	12,760	56.09
SMITHSONIAN INSTITUTION	55,960	35,593	63.60	63,758	38,558	60.48	69,321	39,753	57.35
TENNESSEE VALLEY AUTHORITY	43,215	36,733	85.00	52,545	44,663	85.00	59,131	50,260	85.00
US ARMS CONTRDL & DISARMAMENT AGENCY	53	30	56.60	131	31	23.66	160	35	21.88
UNITED STATES INFORMATION AGENCY	1	1	100.00	25	2	8.00	25	2	8.00
VETERANS ADMINISTRATION	158,662	105,372	66.41	219,734	146,503	66.67	193,286	130,251	67.39

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-110. FEDERAL OBLIGATIONS FOR TOTAL BASIC RESEARCH TO INTRAMURAL PERFORMERS FOR PERSONNEL COSTS, BY AGENCY: FISCAL YEARS 1983, 1984, AND 1985

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ACTUAL, 1983			ESTIMATES					
				1984			1985		
	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL
TOTAL, ALL AGENCIES	1,689,837	836,244	49.49	1,868,159	917,623	49.12	2,036,194	933,753	45.86
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	238,828	139,142	58.26	258,378	157,437	60.93	264,217	152,959	57.89
AGRICULTURAL RESEARCH SERVICE	194,668	105,120	54.00	210,505	119,874	56.95	215,802	114,375	53.00
COOPERATIVE STATE RESEARCH SERVICE	2,938	2,938	100.00	3,170	3,170	100.00	3,845	3,845	100.00
ECONOMIC RESEARCH SERVICE	3,623	2,875	79.35	4,233	3,283	77.56	4,588	3,373	73.52
FOREST SERVICE	34,171	26,188	76.64	36,739	29,002	78.94	36,101	29,208	80.91
OFF OF INTERNAT'L COOPERATION & DEV.	470	304	64.68	517	254	49.13	569	263	46.22
OFFICE OF TRANSPORTATION	458	342	74.67	534	380	71.16	532	366	68.80
STATISTICAL REPORTING SERVICE	2,500	1,375	55.00	2,680	1,474	55.00	2,780	1,529	55.00
DEPARTMENT OF COMMERCE, TOTAL	17,937	12,944	72.16	19,102	12,978	67.94	17,960	13,550	77.16
BUREAU OF THE CENSUS	213	164	77.00	211	167	79.15	268	212	79.10
ECONOMIC DEVELOPMENT ADMINISTRATION	527	27	5.12	527	27	5.12	-	-	-
NATIONAL BUREAU OF STANDARDS	17,196	12,752	74.16	18,354	12,774	69.60	17,282	13,328	77.12
OFFICE OF THE SECRETARY	1	1	100.00	10	10	100.00	10	10	100.00
DEPARTMENT OF DEFENSE, TOTAL	275,585	153,975	55.87	265,688	145,773	54.87	307,498	142,638	46.39
DEPARTMENT OF THE ARMY	115,817	67,172	58.00	108,306	65,163	60.17	116,123	61,629	53.07
DEPARTMENT OF THE NAVY	111,130	53,064	47.75	104,192	43,804	42.04	147,249	46,120	32.74
DEPARTMENT OF THE AIR FORCE	35,716	25,000	70.00	37,500	26,250	70.00	39,500	27,600	69.87
DEFENSE AGENCIES	12,922	8,739	67.63	15,690	10,556	67.28	11,026	7,289	66.11
DEPARTMENT OF EDUCATION	2,300	2,119	92.13	2,235	2,153	96.33	2,134	2,051	96.11
DEPARTMENT OF ENERGY	17,955	7,168	39.92	39,428	8,487	21.53	55,948	7,518	13.44
DEPT OF HLTH & HUMAN SERVICES, TOTAL	532,442	224,953	42.25	592,417	247,125	41.71	613,437	255,954	41.72
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	76,639	36,320	47.39	81,000	37,102	45.80	80,828	35,994	44.53
HEALTH RESOURCES AND SERVICES ADMINISTRATION	800	600	75.00	800	615	76.87	900	615	68.33
HUMAN DEVELOPMENT SERVICES	-	-	-	-	-	-	20	20	100.00
NATIONAL INSTITUTES OF HEALTH	448,698	183,626	40.92	501,665	203,176	40.50	523,519	213,633	40.81
OFFICE OF ASST'T SECY FOR HEALTH	6,305	4,407	69.90	8,952	6,232	69.62	8,170	5,692	69.67
DEPARTMENT OF THE INTERIOR, TOTAL	84,038	55,075	65.54	110,452	74,867	67.78	98,106	65,835	67.11
BUREAU OF MINES	16,179	13,055	80.69	38,137	30,773	80.69	31,536	25,446	80.69
BUREAU OF RECLAMATION	99	75	75.76	204	145	71.08	135	100	74.07
GEOLOGICAL SURVEY	61,613	36,216	58.78	65,710	38,575	58.70	61,144	35,826	58.59
OFFICE OF THE SECRETARY	52	52	100.00	116	116	100.00	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY	195	157	80.51	185	138	74.59	91	63	69.23
US FISH & WILDLIFE SERVICE	5,900	5,520	93.56	6,100	5,120	83.93	5,200	4,400	84.62
DEPARTMENT OF JUSTICE, TOTAL	92	26	28.26	120	34	28.33	77	22	28.57
OFF OF JUSTICE ASSIST, RSCH, & STAT	92	26	28.26	120	34	28.33	77	22	28.57
DEPARTMENT OF LABOR, TOTAL	574	62	10.80	1,153	387	33.56	1,100	100	9.09
EMPLOYMENT AND TRAINING ADMIN	574	62	10.80	1,153	387	33.56	1,100	100	9.09
DEPARTMENT OF TRANSPORTATION, TOTAL	150	77	51.33	15	15	100.00	100	100	100.00
COAST GUARD	100	27	27.00	-	-	-	-	-	-
MARITIME ADMINISTRATION	50	50	100.00	15	15	100.00	100	100	100.00
DEPARTMENT OF THE TREASURY, TOTAL	3,073	1,401	45.59	2,829	1,748	61.79	5,942	4,657	78.37
BUREAU OF ENGRAVING AND PRINTING	600	198	33.00	800	264	33.00	800	277	34.62
INTERNAL REVENUE SERVICE	2,473	1,203	48.65	2,029	1,484	73.14	5,142	4,380	85.18
OTHER AGENCIES									
AGENCY FOR INTERNAT'L DEVELOPMENT	568	426	75.00	13	10	76.92	278	208	74.82
ENVIRONMENTAL PROTECTION AGENCY	8,022	6,002	74.82	8,154	6,375	78.18	8,796	6,721	76.41
FEDERAL TRADE COMMISSION	1,159	1,025	88.44	1,324	1,242	93.81	1,419	1,334	94.01
GENERAL SERVICES ADMINISTRATION	-	-	-	3	2	66.67	-	-	-
LIBRARY OF CONGRESS	331	84	25.38	340	103	30.29	445	119	26.74
NATIONAL AERONAUTICS & SPACE ADMIN	305,480	137,026	44.86	348,473	158,217	45.40	414,986	177,932	42.88
NATIONAL SCIENCE FOUNDATION	125,643	45,870	36.51	134,077	47,830	35.67	134,230	47,642	30.89
SMITHSONIAN INSTITUTION	99,960	59,593	63.60	63,798	38,598	60.48	69,321	39,753	57.35
TENNESSEE VALLEY AUTHORITY	5,900	4,760	85.00	5,000	4,250	85.00	5,600	4,760	85.00
VETERANS ADMINISTRATION	14,100	8,516	60.40	15,200	10,032	66.00	15,000	9,900	66.00

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-111. FEDERAL OBLIGATIONS FOR TOTAL APPLIED RESEARCH TO INTRAMURAL PERFORMERS FOR PERSONNEL COSTS, BY AGENCY: FISCAL YEARS 1983, 1984, AND 1985

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ACTUAL, 1983			ESTIMATES					
				1984			1985		
	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL
TOTAL, ALL AGENCIES	3,020,422	1,790,800	59.29	3,113,297	1,832,094	58.85	3,227,564	1,899,163	58.84
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	292,989	179,614	61.30	290,807	187,004	64.31	292,443	180,161	61.61
AGRICULTURAL COOPERATIVE SERVICE	1,752	1,121	63.98	1,680	1,025	61.01	1,426	1,055	73.98
AGRICULTURAL MARKETING SERVICE	802	457	56.98	1,250	900	72.00	-	-	-
AGRICULTURAL RESEARCH SERVICE	183,184	98,919	54.00	176,461	100,583	57.00	180,838	95,844	53.00
COOPERATIVE STATE RESEARCH SERVICE	3,962	3,962	100.00	4,341	4,341	100.00	3,827	3,827	100.00
ECONOMIC RESEARCH SERVICE	32,603	25,871	79.35	38,096	29,544	77.55	41,292	30,360	73.53
FOREST SERVICE	60,375	44,010	72.89	59,438	45,030	75.76	55,364	43,438	78.44
HUMAN NUTRITION INFORMATION SERVICE	5,100	2,300	45.10	3,800	2,400	63.16	3,800	2,400	63.16
OFF OF INTERNAT'L COOPERATION & DEV.	513	332	64.72	565	277	49.03	621	287	46.22
OFFICE OF TRANSPORTATION	306	229	74.84	356	253	71.07	355	244	68.73
STATISTICAL REPORTING SERVICE	4,388	2,413	54.99	4,820	2,651	55.00	4,920	2,706	55.00
DEPARTMENT OF COMMERCE, TOTAL	196,692	137,181	69.74	199,371	140,095	70.25	175,015	120,437	68.82
BUREAU OF THE CENSUS	1,919	1,497	78.01	1,907	1,392	72.99	2,335	1,845	79.01
ECONOMIC DEVELOPMENT ADMINISTRATION	553	273	49.37	553	273	49.37	-	-	-
NATIONAL BUREAU OF STANDARDS	59,257	39,975	67.46	58,437	38,340	65.61	58,981	43,509	73.77
NAT'L OCEANIC & ATMOSPHERIC ADMIN	128,057	90,936	71.01	130,870	95,635	73.08	106,144	70,393	66.32
NAT'L TELECOMM & INFORMATION ADMIN	6,906	4,500	65.16	7,594	4,405	58.01	7,545	4,680	62.03
OFFICE OF THE SECRETARY	-	-	-	10	10	100.00	10	10	100.00
DEPARTMENT OF DEFENSE, TOTAL	985,831	643,442	65.27	889,603	581,869	65.41	1,047,529	685,534	65.44
DEPARTMENT OF THE ARMY	312,922	194,150	62.04	293,289	178,022	60.70	336,166	204,897	60.95
DEPARTMENT OF THE NAVY	292,371	186,065	63.64	237,563	151,161	63.63	255,727	162,694	63.62
DEPARTMENT OF THE AIR FORCE	148,291	140,468	94.72	154,242	145,384	94.26	159,817	150,472	94.15
DEFENSE AGENCIES	232,247	122,759	52.86	204,509	107,302	52.47	295,819	167,471	56.61
DEPARTMENT OF EDUCATION	5,144	3,896	75.74	4,853	4,364	89.92	4,908	4,530	92.30
DEPARTMENT OF ENERGY	108,565	35,869	33.04	122,188	34,641	28.35	113,878	36,255	31.84
DEPT OF HLTH & HUMAN SERVICES, TOTAL	434,099	212,124	48.87	476,800	230,183	48.28	469,421	230,793	49.17
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	48,276	23,221	48.10	51,177	26,714	52.20	51,387	27,667	53.84
CENTERS FOR DISEASE CONTROL	51,426	43,720	85.00	55,185	46,907	85.00	55,680	47,278	84.84
FOOD & DRUG ADMINISTRATION	67,070	44,022	65.64	71,600	47,307	66.07	73,320	48,282	65.85
HEALTH CARE FINANCING ADMIN	1,065	300	28.17	3,109	900	28.95	2,885	870	30.16
HEALTH RESOURCES AND SERVICES ADMINISTRATION	1,148	750	65.33	930	870	93.55	880	770	87.50
HUMAN DEVELOPMENT SERVICES	990	824	83.23	948	812	85.65	364	36	99.18
NATIONAL INSTITUTES OF HEALTH	255,845	92,566	36.18	282,549	100,101	35.43	276,396	98,696	35.71
OFFICE OF THE SECRETARY	2,116	753	35.59	2,500	950	38.00	1,900	950	63.33
SOCIAL SECURITY ADMINISTRATION	6,113	5,968	97.63	8,802	5,622	63.87	7,009	5,959	85.02
DEPT OF HOUSING & URBAN DEVELOPMENT	1,005	350	34.83	933	325	34.83	986	345	34.99
DEPARTMENT OF THE INTERIOR, TOTAL	170,979	110,443	64.59	180,484	117,590	65.15	164,370	105,050	63.91
BUREAU OF LAND MANAGEMENT	1,820	654	35.93	1,864	776	41.63	1,680	740	44.05
BUREAU OF MINES	35,860	28,935	80.69	40,943	33,037	80.69	24,846	20,048	80.69
BUREAU OF RECLAMATION	6,884	4,820	70.02	6,418	4,490	69.96	7,328	5,130	70.01
GEOLOGICAL SURVEY	83,211	48,912	58.78	85,884	50,419	58.7[illegible]	81,744	47,897	58.59
MINERAL MANAGEMENT SERVICE	335	268	80.00	335	268	80.[illegible]	335	268	80.00
NATIONAL PARK SERVICE	10,554	950	9.00	10,000	900	[illegible].00	10,500	945	9.00
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	465	423	90.97	640	220	34.38	640	222	34.69
OFFICE OF WATER RSCH & TECHNOLOGY	324	260	80.25	770	578	75.06	378	265	70.11
US FISH & WILDLIFE SERVICE	31,526	25,221	80.00	33,628	26,902	80.00	36,919	29,595	80.00
DEPARTMENT OF JUSTICE, TOTAL	892	661	74.10	884	636	71.95	781	536	68.63
DRUG ENFORCEMENT ADMINISTRATION	300	300	100.00	300	300	100.00	200	200	100.00
FEDERAL PRISON SYSTEM	490	270	55.10	490	270	55.10	490	270	55.10
IMMIGRATION & NATURALIZATION SVC	40	40	100.00	40	40	100.00	40	40	100.00
OFF OF JUSTICE ASSIST, RSCH, & STAT	60	50	83.33	50	25	50.00	50	25	50.00
OFFICE OF LEGAL POLICY	2	1	50.00	4	1	25.00	1	1	100.00
DEPARTMENT OF LABOR, TOTAL	4,845	4,623	95.03	4,877	4,575	93.81	5,014	4,852	96.77
BUREAU OF LABOR STATISTICS	665	599	90.08	547	492	89.95	621	559	90.02
EMPLOYMENT STANDARDS ADMINISTRATION	800	700	87.50	835	735	88.02	863	763	88.41
EMPLOYMENT AND TRAINING ADMIN	546	496	90.84	447	300	67.11	326	326	100.00
LABOR-MANAGEMENT SERVICES ADMIN	882	882	100.00	926	926	100.00	972	972	100.00
OCCUPATIONAL SAFETY & HEALTH ADMIN	426	400	93.90	400	400	100.00	400	400	100.00
OFFICE OF THE SECRETARY	1,525	1,525	100.00	1,700	1,700	100.00	1,800	1,800	100.00
PENSION BENEFIT GUARANTEE CORPORATION	21	21	100.00	22	22	100.00	32	32	100.00

CONTINUED ON NEXT PAGE

TABLE C-111. FEDERAL OBLIGATIONS FOR TOTAL APPLIED RESEARCH TO INTRAMURAL PERFORMERS FOR PERSONNEL COSTS, BY AGENCY: FISCAL YEARS 1983, 1984, AND 1985

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	ACTUAL, 1983			ESTIMATES					
				1984			1985		
	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL
DEPARTMENT OF STATE, TOTAL	812	651	80.17	807	647	80.17	885	700	79.10
DEPARTMENTAL FUNDS	812	651	80.17	807	647	80.17	885	700	79.10
DEPARTMENT OF TRANSPORTATION, TOTAL	17,476	9,806	56.11	21,618	10,301	47.65	20,994	11,656	55.52
COAST GUARD	569	154	27.07	2,149	579	26.94	2,949	794	26.92
FEDERAL AVIATION ADMINISTRATION	2,814	1,547	54.98	2,220	1,386	55.00	4,234	2,383	44.98
FEDERAL HIGHWAY ADMINISTRATION	500	500	100.00	500	500	100.00	500	500	100.00
FEDERAL RAILROAD ADMINISTRATION	1,544	843	55.18	3,565	975	27.35	1,450	900	62.07
MARITIME ADMINISTRATION	280	230	82.14	908	200	22.03	250	250	100.00
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	6,549	4,304	65.72	7,410	4,870	65.72	8,220	5,402	65.72
OFFICE OF THE SECRETARY	20	20	100.00	20	20	100.00	20	20	100.00
RESEARCH & SPECIAL PROGRAMS ADMIN	1,250	650	52.00	1,200	624	52.00	500	260	52.00
URBAN MASS TRANSPORTATION ADMIN	3,930	1,538	39.13	3,346	1,147	34.28	2,771	1,147	41.39
DEPARTMENT OF THE TREASURY, TOTAL	4,532	2,530	55.83	4,997	2,765	55.33	9,934	7,656	77.07
BUREAU OF ENGRAVING AND PRINTING	980	323	32.96	1,120	370	33.04	1,260	416	33.02
INTERNAL REVENUE SERVICE	3,520	2,175	61.79	3,727	2,378	63.80	8,524	7,223	84.74
OFFICE OF PROTECTIVE RESEARCH	32	32	100.00	150	17	11.33	150	17	11.33
OTHER AGENCIES									
ADVISORY COMM ON INTERGOV'TL RELATIONS	2,110	1,192	56.49	2,064	1,334	64.63	2,151	1,419	65.97
AGENCY FOR INTERNAT'L DEVELOPMENT	10,488	7,656	73.00	6,255	4,566	73.00	5,459	3,985	73.00
APPALACHIAN REGIONAL COMMISSION	15	12	80.00	25	19	76.00	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION	320	60	18.75	504	204	40.48	539	234	43.41
ENVIRONMENTAL PROTECTION AGENCY	61,649	47,765	77.46	63,243	48,934	77.37	68,160	49,697	72.91
FEDERAL COMMUNICATIONS COMMISSION	1,270	1,270	100.00	1,448	1,448	100.00	1,272	1,272	100.00
FEDERAL EMERGENCY MANAGEMENT AGENCY	2,183	554	47.00	1,170	550	47.01	2,183	1,026	47.00
FEDERAL HOME LOAN BANK BOARD	2,792	1,841	64.65	2,770	1,677	60.54	2,700	1,625	60.19
FEDERAL TRADE COMMISSION	205	180	87.80	234	219	93.59	250	235	94.00
GENERAL SERVICES ADMINISTRATION	235	176	74.89	307	230	74.92	40	30	75.00
INTERNATIONAL TRADE COMMISSION	4,672	3,644	78.00	4,584	3,576	78.01	5,520	4,306	78.01
LIBRARY OF CONGRESS	1,006	468	46.52	1,019	496	48.68	1,169	529	45.25
NATIONAL AERONAUTICS & SPACE ADMIN	547,461	275,947	50.40	610,814	306,890	50.24	638,807	316,440	49.54
NATIONAL SCIENCE FOUNDATION	5,113	3,400	66.50	3,748	2,500	66.70	4,964	3,600	72.52
NUCLEAR REGULATORY COMMISSION	23,388	13,223	56.61	21,899	12,730	58.13	22,751	12,760	46.09
TENNESSEE VALLEY AUTHORITY	4,800	4,080	85.00	6,000	5,100	85.00	6,200	5,270	85.00
US ARMS CONTROL & DISARMAMENT AGENCY	45	25	55.56	130	30	23.08	130	30	23.08
UNITED STATES INFORMATION AGENCY	1	1	100.00	25	2	8.00	25	2	8.00
VETERANS ADMINISTRATION	129,862	88,104	67.84	188,836	126,634	67.06	159,084	108,178	68.00

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-112. FEDERAL OBLIGATIONS FOR TOTAL DEVELOPMENT TO INTRAMURAL PERFORMERS FOR PERSONNEL COSTS, BY AGENCY: FISCAL YEARS 1983, 1984, AND 1985

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ACTUAL, 1983			ESTIMATES					
				1984			1985		
	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL
TOTAL, ALL AGENCIES	5,871,660	2,286,709	38.94	7,305,711	2,878,764	39.40	8,123,842	3,190,758	39.28
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	27,267	15,268	55.99	26,829	15,778	58.81	26,243	14,557	55.47
AGRICULTURAL MARKETING SERVICE	269	153	56.88	293	211	72.01	-	-	-
AGRICULTURAL RESEARCH SERVICE	23,095	12,449	54.00	23,088	13,160	57.00	23,010	12,195	53.00
FOREST SERVICE	3,772	2,547	67.52	3,255	2,290	70.35	3,030	2,246	74.13
OFF OF INTERNAT'L COOPERATION & DEV.	84	55	65.95	94	47	50.00	104	48	46.15
OFFICE OF TRANSPORTATION	85	64	75.29	99	70	70.71	99	68	68.69
DEPARTMENT OF COMMERCE, TOTAL	37,160	27,238	73.30	37,641	26,833	71.29	30,309	23,770	78.43
BUREAU OF THE CENSUS	2,108	1,644	77.99	2,129	1,639	76.98	2,268	1,792	79.01
NATIONAL BUREAU OF STANDARDS	12,644	8,972	70.84	12,813	8,677	67.72	9,600	6,868	71.54
NAT'L OCEANIC & ATMOSPHERIC ADMIN	21,034	15,741	74.84	21,629	15,892	73.48	17,440	14,489	83.09
NAT'L TELECOMM & INFORMATION ADMIN	1,351	880	65.14	1,060	615	58.02	1,000	620	62.00
OFFICE OF THE SECRETARY	1	1	100.00	10	10	100.00	-	1	100.00
DEPARTMENT OF DEFENSE, TOTAL	5,139,353	1,913,821	37.24	6,518,950	2,452,730	37.62	7,317,651	2,773,011	37.89
DEPARTMENT OF THE ARMY	1,236,044	458,958	37.13	1,393,421	566,930	40.69	1,489,401	620,447	41.66
DEPARTMENT OF THE NAVY	1,626,296	796,245	48.96	1,840,194	881,821	47.92	2,254,897	1,080,547	47.92
DEPARTMENT OF THE AIR FORCE	1,768,618	427,150	24.15	2,410,329	566,434	23.50	2,193,365	520,486	23.73
DEFENSE AGENCIES	453,498	230,093	50.74	828,801	436,095	52.62	1,328,334	549,931	41.40
DIRECTOR OF TEST & EVALUATION, DEFENSE	54,897	1,375	2.50	46,175	1,450	3.14	51,654	1,600	3.10
DEPARTMENT OF EDUCATION	4,091	3,759	91.88	3,938	3,677	93.37	3,773	3,558	94.30
DEPARTMENT OF ENERGY	131,029	48,846	37.28	140,428	78,843	56.14	117,616	46,684	39.69
DEPT OF HLTH & HUMAN SERVICES, TOTAL	67,371	26,241	38.95	73,985	28,628	38.69	72,964	27,702	37.97
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	1,411	471	33.38	1,702	515	30.24	1,717	513	29.88
HEALTH RESOURCES AND SERVICES ADMINISTRATION	243	243	100.00	200	200	100.00	-	-	-
HUMAN DEVELOPMENT SERVICES	1,646	843	51.22	1,378	773	56.10	730	421	57.67
NATIONAL INSTITUTES OF HEALTH	64,071	24,684	38.53	70,604	27,090	38.37	70,017	26,717	38.16
OFFICE OF THE SECRETARY	-	-	-	100	50	50.00	500	50	10.00
DEPT OF HOUSING & URBAN DEVELOPMENT	17,682	6,188	35.00	15,679	5,488	35.00	16,844	5,895	35.00
DEPARTMENT OF THE INTERIOR, TOTAL	19,044	14,672	77.04	15,999	12,055	75.35	14,474	10,851	74.97
BUREAU OF LAND MANAGEMENT	1,577	1,020	64.68	1,766	1,219	69.03	1,468	1,012	68.94
BUREAU OF MINES	5,888	4,751	80.69	2,284	1,843	80.69	1,035	835	80.68
BUREAU OF RECLAMATION	428	320	69.87	290	200	68.97	345	240	69.57
GEOLOGICAL SURVEY	1,489	875	58.76	2,495	1,465	58.72	2,495	1,462	58.60
OFFICE OF WATER RSCH & TECHNOLOGY	432	346	80.09	64	48	75.00	31	22	70.97
US FISH & WILDLIFE SERVICE	9,200	7,360	80.00	9,100	7,280	80.00	9,100	7,280	80.00
DEPARTMENT OF JUSTICE, TOTAL	1,886	991	52.55	1,987	1,092	54.96	1,885	990	52.52
DRUG ENFORCEMENT ADMINISTRATION	300	300	100.00	400	400	100.00	300	300	100.00
FEDERAL BUREAU OF INVESTIGATION	275	275	100.00	275	275	100.00	275	275	100.00
FEDERAL PRISON SYSTEM	370	200	54.05	370	200	54.05	370	200	54.05
IMMIGRATION & NATURALIZATION SVC	40	40	100.00	40	40	100.00	40	40	100.00
OFF OF JUSTICE ASSIST, RSCH, & STAT	900	175	19.44	900	175	19.44	900	175	19.44
OFFICE OF LEGAL POLICY	1	1	100.00	2	2	100.00	-	-	-
DEPARTMENT OF LABOR, TOTAL	237	99	41.77	35	35	100.00	30	30	100.00
EMPLOYMENT AND TRAINING ADMIN	200	62	31.00	-	-	-	-	-	-
PENSION BENEFIT GUARANTEE CORPORATION	37	37	100.00	35	35	100.00	30	30	100.00

CONTINUED ON NEXT PAGE

TABLE C-112. FEDERAL OBLIGATIONS FOR TOTAL DEVELOPMENT TO INTRAMURAL PERFORMERS FOR PERSONNEL COSTS, BY AGENCY: FISCAL YEARS 1983, 1984, AND 1985

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	ACTUAL, 1983			ESTIMATES					
				1984			1985		
	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL
DEPARTMENT OF TRANSPORTATION, TOTAL ..	57,944	27,704	47.81	71,615	31,293	43.70	90,138	47,255	52.43
COAST GUARD	10,952	2,957	27.00	11,455	3,116	26.97	10,797	2,911	26.96
FEDERAL AVIATION ADMINISTRATION	27,288	15,008	55.00	31,924	17,943	55.00	61,824	34,003	55.00
FEDERAL HIGHWAY ADMINISTRATION	1,551	500	32.24	1,500	500	33.33	1,500	500	33.33
FEDERAL RAILROAD ADMINISTRATION	3,049	2,180	71.50	11,035	2,785	25.24	2,850	2,350	82.46
MARITIME ADMINISTRATION	430	140	32.56	1,250	300	24.00	400	400	100.00
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN .	1,360	404	29.71	1,284	382	29.75	1,420	422	29.72
OFFICE OF THE SECRETARY	2,844	2,166	76.16	3,160	2,598	82.22	3,380	2,929	86.66
RESEARCH & SPECIAL PROGRAMS ADMIN ..	1,300	923	71.00	1,400	994	71.00	1,500	1,065	71.00
URBAN MASS TRANSPORTATION ADMIN	9,170	3,426	37.36	7,807	2,675	34.26	6,467	2,675	41.36
DEPARTMENT OF THE TREASURY, TOTAL	606	272	44.88	1,107	305	27.55	1,895	455	24.01
BUREAU OF ENGRAVING AND PRINTING ...	420	135	32.14	815	129	15.83	1,188	108	9.09
INTERNAL REVENUE SERVICE	106	57	53.77	152	71	46.71	257	208	80.93
OFFICE OF PROTECTIVE RESEARCH	5	5	100.00	40	5	12.50	350	39	11.14
UNITED STATES CUSTOMS SERVICE	75	75	100.00	100	100	100.00	100	100	100.00
OTHER AGENCIES									
AGENCY FOR INTERNAT'L DEVELOPMENT	9,494	6,361	67.00	7,227	4,842	67.00	7,419	4,971	67.00
CONSUMER PRODUCT SAFETY COMMISSION ...	213	78	36.62	466	66	14.16	170	45	26.47
ENVIRONMENTAL PROTECTION AGENCY	23,543	14,027	59.58	26,128	14,880	56.95	27,462	15,144	54.35
GENERAL SERVICES ADMINISTRATION	253	190	75.10	563	422	74.96	470	353	75.11
LIBRARY OF CONGRESS	5,469	3,080	56.32	4,580	3,041	66.40	4,505	3,152	69.97
NATIONAL AERONAUTICS & SPACE ADMIN ...	281,495	141,224	50.17	301,308	153,605	50.98	323,033	159,428	49.51
TENNESSEE VALLEY AUTHORITY	32,815	27,893	85.00	41,545	35,313	85.00	47,331	40,230	85.00
US ARMS CONTROL & DISARMAMENT AGENCY .	8	5	62.50	1	1	100.00	30	5	16.67
VETERANS ADMINISTRATION	14,700	8,752	59.54	15,700	9,837	62.66	19,200	12,173	63.40

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-113. FEDERAL OUTLAYS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1975-85

(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	1981	1982	1983	ESTIMATES 1984	ESTIMATES 1985
TOTAL, ALL AGENCIES	19,550.8	21,020.9	22,882.9	25,127.9	27,041.0	30,635.8	34,035.9	35,766.8	37,959.4	44,786.9	50,832.7
DEPARTMENTS											
DEPT OF AGRICULTURE, TOTAL	425.6	468.8	537.8	572.4	630.5	687.6	782.5	828.4	858.8	909.1	919.3
AGRICULTURAL COOPERATIVE SVC 1/	1.2	1.4	N/A	N/A	N/A	1.6	1.3	1.7	2.1	2.2	1.4
AGRICULTURAL MARKETING SVC 2/	-	-	-	-	.9	1.3	1.2	1.5	.6	1.5	-
AGRICULTURAL RESEARCH SVC 3/	232.8	247.4	294.6	318.4	331.2	371.6	425.9	436.1	469.4	486.8	497.5
COOPERATIVE STATE RSCH SVC 4/	95.6	104.2	120.2	134.9	156.6	174.2	199.0	219.8	220.4	243.0	244.9
ECON, STAT & COOP SVC 5/	N/A	N/A	30.5	32.4	35.6	N/A	N/A	N/A	N/A	N/A	N/A
ECONOMIC RESEARCH SVC	22.2	23.6	N/A	N/A	N/A	N/A	38.0	37.0	36.8	43.1	46.7
ECONOMICS & STATISTICS SVC 6/	N/A	N/A	N/A	N/A	N/A	31.1	N/A	N/A	N/A	N/A	N/A
FOREST SERVICE	72.5	90.3	92.5	84.7	105.7	100.6	101.8	116.0	111.1	108.2	104.5
HUMAN NUTRITION INFO SERVICE	N/A	N/A	N/A	N/A	N/A	N/A	-	3.8	5.8	7.9	7.6
NATIONAL AGRICULTURAL LIBRARY	.1	*	-	-	-	-	-	-	-	-	-
OFF OF INTERNAT'L COOP & DEV'T	N/A	N/A	N/A	N/A	-	6.4	6.9	4.6	4.1	7.2	7.1
OFF OF TRANSPORTATION	N/A	N/A	N/A	N/A	.5	.8	.9	.9	.8	1.0	1.0
STATISTICAL REPORTING SVC	1.2	2.0	N/A	N/A	N/A	N/A	7.5	7.0	7.6	8.2	8.5
DEPARTMENT OF COMMERCE, TOTAL	224.6	233.3	238.2	272.7	307.1	360.6	346.8	286.5	335.2	359.2	287.3
NATIONAL BUREAU OF STANDARDS	47.2	49.1	53.1	59.0	64.8	77.1	84.6	87.6	94.0	96.3	108.0
NAT'L OCEANIC & ATMOS ADMIN	127.7	134.6	132.6	164.7	190.1	210.6	209.0	174.1	222.0	244.3	165.2
OTHER COMMERCE	49.7	49.8	52.5	48.9	52.2	72.9	53.5	24.8	19.2	18.5	14.1
DEPARTMENT OF DEFENSE, TOTAL	9,363.5	9,445.5	10,308.0	10,935.4	11,733.1	13,706.1	15,993.0	18,482.9	21,373.5	26,080.3	31,472.9
DEPARTMENT OF THE ARMY	2,083.0	1,969.6	2,195.0	2,464.3	2,536.2	2,852.9	3,123.7	3,414.4	3,848.5	4,257.8	4,821.6
DEPARTMENT OF THE NAVY	3,126.3	3,320.1	3,582.6	3,919.4	3,926.4	4,507.9	4,916.9	5,394.7	6,023.5	7,007.3	8,858.8
DEPARTMENT OF THE AIR FORCE	3,567.6	3,625.2	3,902.2	3,969.9	4,428.0	5,323.6	6,756.6	8,209.1	9,640.9	12,347.3	14,111.8
DEFENSE AGENCIES	556.9	507.5	610.5	555.1	814.2	981.4	1,160.0	1,420.0	1,817.3	2,412.1	3,626.8
DEFENSE CIVIL PREPAREDNESS AGENCY	3.0	2.2	1.2	2.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DIRECTOR OF TEST & EVALUATION	26.8	20.9	16.5	23.9	28.3	40.4	35.7	44.8	43.3	55.8	53.9
DEPARTMENT OF EDUCATION, TOTAL	N/A	N/A	N/A	N/A	136.5	120.9	111.8	130.1	111.5	134.7	126.3
DEPARTMENT OF ENERGY, TOTAL	N/A	N/A	3,593.1	4,413.0	4,956.8	5,660.2	6,125.9	5,785.4	5,641.9	5,911.8	6,027.3
DEPT OF HLTH, EDUC, & WELFARE, TOTAL	2,168.2	2,615.0	2,622.2	3,070.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	114.1	145.1	167.2	179.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NAT'L INSTITUTE OF EDUCATION	82.8	69.8	59.7	74.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	1,684.4	2,118.4	2,105.0	2,507.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	53.1	56.8	30.3	25.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER HEW	233.8	225.0	260.1	282.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPT OF HLTH & HUMAN SRVCS, TOTAL	N/A	N/A	N/A	N/A	3,172.7	3,554.1	3,997.5	4,052.1	4,118.6	4,567.2	4,923.7
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	184.7	218.1	251.1	292.0	289.8	297.6	339.1
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	2,713.4	3,029.3	3,392.2	3,475.0	3,562.9	3,989.0	4,299.8
OTHER HHS	N/A	N/A	N/A	N/A	274.5	306.8	354.3	285.0	265.8	280.6	284.8
DEPT OF HOUSING & URBAN DEVELOPMENT, TOTAL	58.7	60.3	69.0	59.3	74.3	65.8	54.1	37.0	30.9	31.5	31.8
DEPT OF THE INTERIOR, TOTAL	266.0	319.7	304.0	339.9	404.3	431.5	436.9	394.9	412.7	421.7	375.5
BUREAU OF MINES	82.7	113.7	103.7	104.2	121.4	130.8	109.0	105.2	102.0	97.6	75.0
GEOLOGICAL SURVEY	95.2	115.7	112.2	128.7	144.2	145.2	168.2	150.1	171.4	171.6	154.4
OTHER INTERIOR	88.1	90.4	88.1	107.0	138.7	155.5	159.7	139.7	139.3	152.6	146.2
DEPARTMENT OF JUSTICE, TOTAL	43.8	39.9	33.7	33.5	45.9	45.3	26.1	36.6	27.6	34.7	30.2
OFF OF JUSTICE ASSIST, RSCH, & STATISTICS	39.2	35.2	27.6	27.1	35.5	35.1	19.2	30.4	21.1	25.3	22.6
OTHER JUSTICE	4.6	4.7	6.2	6.3	10.4	10.2	6.9	6.2	6.5	9.4	7.6
DEPARTMENT OF LABOR, TOTAL	25.4	27.8	28.1	97.6	109.2	137.7	61.6	29.4	16.8	18.1	19.3
DEPARTMENT OF STATE, TOTAL	28.6	27.0	44.1	57.5	3.2	2.2	1.8	1.5	1.5	1.6	1.7
AGENCY FOR INTERNAT'L DEVMNT	27.4	25.4	41.8	54.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER STATE	1.2	1.6	2.3	2.8	3.2	2.2	1.8	1.5	1.5	1.6	1.7
DEPT OF TRANSPORTATION, TOTAL	339.2	335.7	363.5	377.3	372.4	391.0	432.1	360.0	282.3	462.4	499.0
FEDERAL AVIATION ADMIN	113.7	114.6	102.8	100.2	111.4	109.7	125.9	110.9	99.5	213.0	276.0
FEDERAL HIGHWAY ADMIN	26.8	42.9	53.0	52.9	48.9	53.4	59.1	42.5	32.5	45.0	48.5
FEDERAL RAILROAD ADMIN	51.1	48.5	57.3	62.4	58.0	63.5	55.0	25.6	28.5	22.0	18.5
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	36.2	33.8	49.5	68.5	53.6	60.3	60.8	60.2	51.1	57.8	60.8
URBAN MASS TRANS ADMIN	60.9	48.2	52.1	52.5	50.5	58.9	61.9	69.8	36.5	71.8	51.3
OTHER TRANSPORTATION	50.6	47.7	48.8	40.8	49.9	45.2	69.4	51.0	44.2	52.8	43.8

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TABLE C-113. FEDERAL OUTLAYS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1975-85

(MILLIONS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	1981	1982	1983	ESTIMATES 1984	ESTIMATES 1985
DEPT OF THE TREASURY, TOTAL	1.7	3.8	5.0	9.9	9.6	10.9	10.8	13.6	15.6	16.7	28.1
OTHER AGENCIES											
AGENCY FOR INTERNAT'L DEVELOPMNT	N/A	N/A	N/A	N/A	80.3	114.3	166.1	188.6	225.2	305.4	380.8
ENERGY RSCH & DEVELOPMENT ADMIN .	2,244.6	2,553.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY .	218.6	265.6	283.0	312.5	388.9	384.7	344.3	336.2	312.5	251.7	277.2
NAT'L AERONAUTICS & SPACE ADMIN .	3,266.5	3,669.0	3,449.1	3,432.1	3,395.2	3,605.7	3,705.5	3,252.9	2,646.2	3,600.3	3,477.3
NATIONAL SCIENCE FOUNDATION	600.4	669.1	674.7	738.6	804.6	848.2	905.0	1,015.1	994.7	1,143.6	1,378.2
NUCLEAR REGULATORY COMMISSION ...	58.5	76.9	107.8	131.7	145.4	182.8	216.0	208.6	244.0	198.7	179.1
VETERANS ADMINISTRATION	97.0	109.5	112.8	123.9	123.1	138.6	144.3	140.7	164.7	176.2	218.3
ALL OTHER AGENCIES	117.9	100.0	109.0	150.5	148.1	187.5	203.7	166.2	145.3	162.0	179.3

1/ INCLUDES PROGRAMS OF THE FARMER COOPERATIVE SERVICE FOR FISCAL YEARS 1967-76.

2/ FY 1979 WAS THE FIRST YEAR IN WHICH CONGRESS APPROPRIATED FUNDS TO AMS.

3/ INCLUDES THE FORMER AGRICULTURE RESEARCH SERVICE OF THE SCIENCE & EDUCATION ADMINISTRATION FOR FISCAL YEARS 1978-80.

4/ INCLUDES THE FORMER COOPERATIVE STATE RESEARCH OF THE SCIENCE & EDUCATION ADMINISTRATION FOR FISCAL YEARS 1978-80.

5/ INCLUDES PROGRAMS OF THE ECONOMIC RESEARCH SERVICE, THE STATISTICAL REPORTING SERVICE, AND THE FARMER COOPERATIVE SERVICE FOR FISCAL YEARS 1977-79.

6/ INCLUDES PROGRAMS OF THE ECONOMIC RESEARCH SERVICE AND THE STATISTICAL REPORTING SERVICE FOR FY 1980.

• INDICATES AMOUNT LESS THAN $50,000.

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-114. FEDERAL OUTLAYS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1975-85

(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	1981	1982	1983	ESTIMATES 1984	ESTIMATES 1985
TOTAL, ALL AGENCIES	18,721.2	20,220.2	22,082.7	24,020.1	25,838.2	29,154.2	32,459.1	34,390.7	36,659.4	43,230.8	49,038.8
DEPARTMENTS											
DEPT OF AGRICULTURE, TOTAL	417.7	460.0	515.3	553.8	608.7	659.8	743.4	807.2	826.0	867.6	880.6
AGRICULTURAL COOPERATIVE SVC 1/	1.2	1.4	N/A	N/A	N/A	1.6	1.3	1.7	2.1	2.2	1.4
AGRICULTURAL MARKETING SVC 2/	-	-	-	-	.9	1.3	1.2	1.5	.6	1.5	-
AGRICULTURAL RESEARCH SVC 3/	228.8	242.0	275.6	301.9	312.9	347.5	390.1	417.5	438.7	451.8	467.5
COOPERATIVE STATE RSCH SVC 4/	95.5	104.2	120.1	134.9	156.6	174.2	199.0	219.8	219.6	237.0	236.9
ECON, STAT & COOP SVC 5/	N/A	N/A	30.5	32.4	35.6	N/A	N/A	N/A	N/A	N/A	N/A
ECONOMIC RESEARCH SVC	22.2	23.6	N/A	N/A	N/A	N/A	38.0	37.0	36.8	43.1	46.7
ECONOMICS & STATISTICS SVC 6/	N/A	N/A	N/A	N/A	N/A	31.1	N/A	N/A	N/A	N/A	N/A
FOREST SERVICE	68.6	86.9	89.0	84.6	102.2	97.0	98.6	113.2	109.8	107.7	103.8
HUMAN NUTRITION INFO SERVICE	N/A	N/A	N/A	N/A	N/A	N/A	-	3.8	5.8	7.9	7.6
NATIONAL AGRICULTURAL LIBRARY	.1	*	-	-	-	-	-	-	-	-	-
OFF OF INTERNAT'L COOP & DEV'T	N/A	N/A	N/A	N/A	-	6.4	6.9	4.6	4.1	7.2	7.1
OFF OF TRANSPORTATION	N/A	N/A	N/A	N/A	.5	.8	.9	.9	.8	1.0	1.0
STATISTICAL REPORTING SVC	1.2	2.0	N/A	N/A	N/A	N/A	7.5	7.0	7.6	8.2	8.5
DEPARTMENT OF COMMERCE, TOTAL	214.1	225.5	232.5	269.2	305.2	355.9	345.5	285.4	334.5	352.4	274.9
NATIONAL BUREAU OF STANDARDS	45.3	48.0	52.6	58.1	63.4	76.8	83.9	86.6	93.3	89.6	95.6
NAT'L OCEANIC & ATMOS ADMIN	119.8	129.4	131.2	162.5	190.1	206.7	208.1	174.1	222.0	244.3	165.2
OTHER COMMERCE	49.0	48.1	48.8	48.6	51.7	72.3	53.5	24.8	19.2	18.5	14.1
DEPARTMENT OF DEFENSE, TOTAL	9,210.6	9,301.3	10,182.4	10,622.8	11,497.3	13,501.4	15,754.5	18,251.2	21,105.8	25,744.9	31,106.3
DEPARTMENT OF THE ARMY	2,053.1	1,949.0	2,180.2	2,457.5	2,534.1	2,845.3	3,114.8	3,400.9	3,827.0	4,225.7	4,783.7
DEPARTMENT OF THE NAVY	3,078.5	3,260.8	3,519.0	3,870.3	3,873.5	4,417.0	4,824.7	5,269.4	5,886.8	6,848.1	8,664.8
DEPARTMENT OF THE AIR FORCE	3,513.1	3,568.1	3,862.2	3,719.8	4,263.1	5,220.6	6,626.6	8,141.4	9,537.2	12,220.8	13,982.4
DEFENSE AGENCIES	536.2	500.3	603.3	548.5	798.3	978.2	1,152.6	1,394.8	1,811.5	2,394.5	3,621.5
DEFENSE CIVIL PREPAREDNESS AGENCY	3.0	2.2	1.2	2.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DIRECTOR OF TEST & EVALUATION	26.8	20.9	16.5	23.9	28.3	40.4	35.7	44.8	43.3	55.8	53.9
DEPARTMENT OF EDUCATION, TOTAL	N/A	N/A	N/A	N/A	136.5	120.9	111.8	150.1	111.5	134.7	123.7
DEPARTMENT OF ENERGY, TOTAL	N/A	N/A	3,166.0	3,931.7	4,303.3	4,697.5	5,041.4	4,842.1	4,817.5	4,954.5	4,923.0
DEPT OF HLTH, EDUC, & WELFARE, TOTAL	2,082.3	2,562.6	2,576.6	3,002.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	114.1	143.1	167.2	179.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NAT'L INSTITUTE OF EDUCATION	82.8	69.8	59.7	74.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	1,602.8	2,066.5	2,063.7	2,440.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	53.1	56.8	30.3	25.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER HEW	229.5	224.5	255.8	281.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPT OF HLTH & HUMAN SRVCS, TOTAL	N/A	N/A	N/A	N/A	3,099.3	3,477.2	3,954.9	4,015.3	4,092.0	4,534.3	4,880.5
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	184.4	217.9	250.9	291.7	288.8	296.3	337.8
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	2,641.0	2,953.2	3,350.2	3,439.6	3,539.5	3,970.4	4,270.9
OTHER HHS	N/A	N/A	N/A	N/A	273.9	306.1	353.8	284.0	263.7	267.6	271.8
DEPT OF HOUSING & URBAN DEVELOPMENT, TOTAL	58.7	60.3	69.0	59.3	74.3	65.8	54.1	37.0	30.9	31.5	31.8
DEPT OF THE INTERIOR, TOTAL	263.6	319.0	299.5	332.3	395.3	422.7	432.8	393.6	410.3	416.1	375.3
BUREAU OF MINES	82.7	113.7	100.7	104.1	117.1	128.4	106.9	105.0	101.9	97.5	75.0
GEOLOGICAL SURVEY	95.2	115.7	112.2	128.7	144.2	145.2	168.2	150.1	169.9	170.3	154.1
OTHER INTERIOR	85.7	89.6	86.6	99.4	134.0	149.2	157.7	138.5	138.5	148.3	146.2
DEPARTMENT OF JUSTICE, TOTAL	43.8	39.9	33.7	33.5	45.9	45.3	26.1	36.6	27.6	34.7	30.2
OFF OF JUSTICE ASSIST, RSCH, & STATISTICS	39.2	35.2	27.6	27.1	35.5	35.1	19.2	30.4	21.1	25.3	22.6
OTHER JUSTICE	4.6	4.7	6.2	6.3	10.4	10.2	6.9	6.2	6.5	9.4	7.6
DEPARTMENT OF LABOR, TOTAL	25.4	27.8	28.1	97.6	109.2	137.7	61.6	29.4	16.8	18.1	19.3
DEPARTMENT OF STATE, TOTAL	28.4	25.9	40.1	57.4	3.2	2.2	1.8	1.5	1.5	1.6	1.7
AGENCY FOR INTERNAT'L DEVMNT	27.1	24.3	37.8	54.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER STATE	1.2	1.6	2.3	2.8	3.2	2.2	1.8	1.5	1.5	1.6	1.7
DEPT OF TRANSPORTATION, TOTAL	324.5	323.6	346.0	364.1	356.2	374.7	415.9	347.0	272.4	454.3	483.0
FEDERAL AVIATION ADMIN	110.9	112.7	99.8	99.2	101.9	104.2	119.8	106.6	90.3	206.0	260.5
FEDERAL HIGHWAY ADMIN	26.4	42.5	52.6	52.5	48.7	53.1	56.3	42.5	32.5	45.0	48.5
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	36.2	33.8	49.3	68.3	53.4	60.1	60.3	59.7	50.6	57.3	60.3
URBAN MASS TRANS ADMIN	59.1	46.9	50.4	52.5	50.5	58.9	61.9	69.8	36.5	71.8	51.3
OTHER TRANSPORTATION	50.0	47.2	48.3	40.1	49.9	45.2	69.4	51.0	44.2	52.8	43.8
FEDERAL RAILROAD ADMIN	42.0	40.5	45.6	51.5	51.7	53.2	48.2	17.4	18.3	21.4	18.5

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TABLE C-114. FEDERAL OUTLAYS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1975-85

(MILLIONS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	1981	1982	1983	ESTIMATES 1984	ESTIMATES 1985
DEPT OF THE TREASURY, TOTAL	1.7	3.7	4.9	9.9	9.2	10.9	10.8	13.6	15.5	16.6	28.1
OTHER AGENCIES											
AGENCY FOR INTERNAT'L DEVELOPMNT	N/A	N/A	N/A	N/A	75.8	107.8	159.9	178.3	212.8	286.5	357.2
ENERGY RSCH & DEVELOPMENT ADMIN .	1,835.4	2,189.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY .	207.2	259.0	281.3	310.3	386.5	384.7	344.3	336.2	312.5	251.7	277.2
NAT'L AERONAUTICS & SPACE ADMIN .	3,181.2	3,548.1	3,344.2	3,307.9	3,262.5	3,465.4	3,558.6	3,140.7	2,538.0	3,461.8	3,314.3
NATIONAL SCIENCE FOUNDATION	571.3	619.0	649.6	700.5	775.2	830.6	892.3	1,013.6	991.8	1,135.5	1,366.9
NUCLEAR REGULATORY COMMISSION ...	55.8	73.3	101.7	125.4	137.5	175.4	208.7	208.6	244.0	198.7	179.1
VETERANS ADMINISTRATION	94.8	97.7	106.9	114.3	120.3	134.4	137.8	137.7	154.1	174.4	208.0
ALL OTHER AGENCIES	104.7	84.0	104.9	128.1	136.5	183.8	202.9	165.6	143.9	160.9	177.7

1/ INCLUDES PROGRAMS OF THE FARMER COOPERATIVE SERVICE FOR FISCAL YEARS 1967-76.

2/ FY 1979 WAS THE FIRST YEAR IN WHICH CONGRESS APPROPRIATED FUNDS TO AMS.

3/ INCLUDES THE FORMER AGRICULTURE RESEARCH SERVICE OF THE SCIENCE & EDUCATION ADMINISTRATION FOR FISCAL YEARS 1978-80.

4/ INCLUDES THE FORMER COOPERATIVE STATE RESEARCH OF THE SCIENCE & EDUCATION ADMINISTRATION FOR FISCAL YEARS 1978-80.

5/ INCLUDES PROGRAMS OF THE ECONOMIC RESEARCH SERVICE, THE STATISTICAL REPORTING SERVICE, AND THE FARMER COOPERATIVE SERVICE FOR FISCAL YEARS 1977-79.

6/ INCLUDES PROGRAMS OF THE ECONOMIC RESEARCH SERVICE AND THE STATISTICAL REPORTING SERVICE FOR FY 1980.

• INDICATES AMOUNT LESS THAN $50,000.

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-115. FEDERAL OUTLAYS FOR R&D PLANT, BY AGENCY: FISCAL YEARS 1975-85

(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	1981	1982	1983	ESTIMATES 1984	ESTIMATES 1985
TOTAL, ALL AGENCIES	829.7	800.6	800.2	1,107.8	1,202.8	1,481.7	1,606.7	1,376.1	1,299.9	1,556.1	1,793.9
DEPARTMENTS											
DEPT OF AGRICULTURE, TOTAL	7.9	8.8	22.5	18.6	21.7	27.7	39.0	21.3	32.8	41.4	38.7
DEPARTMENT OF COMMERCE, TOTAL ...	10.5	7.8	5.7	3.5	1.9	4.8	1.3	1.0	.7	6.7	12.4
DEPARTMENT OF DEFENSE, TOTAL	152.9	144.2	125.6	312.6	235.8	204.7	238.5	231.7	267.7	335.4	366.6
DEPARTMENT OF THE ARMY	30.0	20.6	14.8	6.8	2.1	7.6	8.9	13.5	21.5	32.1	37.9
DEPARTMENT OF THE NAVY	47.8	49.3	43.6	49.1	52.9	90.9	92.2	125.3	136.7	159.2	194.0
DEPARTMENT OF THE AIR FORCE ...	54.5	57.1	40.0	250.1	164.9	103.0	130.0	67.7	103.7	126.5	129.4
DEFENSE AGENCIES	20.6	7.2	7.2	6.6	15.9	3.2	7.4	25.2	5.8	17.6	5.3
DEPARTMENT OF ENERGY, TOTAL	N/A	N/A	427.1	481.3	653.5	962.8	1,084.5	943.3	824.5	957.3	1,104.3
DEPT OF HLTH, EDUC, & WELFARE, TOTAL	85.9	52.4	45.6	68.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPT OF HLTH & HUMAN SRVCS, TOTAL	N/A	N/A	N/A	N/A	73.4	76.9	42.6	36.0	26.5	32.9	43.2
DEPT OF THE INTERIOR, TOTAL	2.4	.8	4.4	7.7	9.0	8.7	4.1	1.3	2.4	5.6	.2
DEPARTMENT OF STATE, TOTAL	.3	1.2	4.0	.1	-	-	-	-	-	-	-
DEPT OF TRANSPORTATION, TOTAL ...	14.7	12.1	17.5	13.2	16.2	16.3	16.2	13.0	9.9	8.1	16.0
DEPT OF THE TREASURY, TOTAL	*	.1	.1	*	*	*	.1	.1	.1	.1	.1
OTHER AGENCIES											
AGENCY FOR INTERNAT'L DEVELOPMNT	N/A	N/A	N/A	N/A	4.5	6.6	6.2	10.3	12.3	18.9	23.4
ENERGY RSCH & DEVELOPMENT ADMIN .	411.2	364.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY .	11.3	6.7	1.6	2.2	2.4	-	-	-	-	-	-
NAT'L AERONAUTICS & SPACE ADMIN .	85.3	120.9	105.0	124.3	132.7	140.3	146.9	112.2	108.1	138.5	169.0
NATIONAL SCIENCE FOUNDATION	29.1	50.1	25.1	38.0	29.4	17.6	12.7	1.5	2.9	8.1	11.3
NUCLEAR REGULATORY COMMISSION ...	2.6	3.5	4.1	6.2	8.0	7.4	7.3	-	-	-	-
VETERANS ADMINISTRATION	2.2	11.8	5.9	9.7	2.8	4.2	6.5	2.9	10.6	1.8	10.3
ALL OTHER AGENCIES	13.2	16.0	4.0	22.3	11.5	3.7	.8	.6	1.5	1.1	4.2

* INDICATES AMOUNT LESS THAN $50,000.

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-116. FEDERAL OBLIGATIONS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1975-85

(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	1981	1982	1983	ESTIMATES 1984	ESTIMATES 1985
TOTAL, ALL AGENCIES	19,859.5	21,616.4	24,817.6	27,140.8	29,620.6	31,386.1	34,589.6	37,822.4	40,009.6	46,954.9	54,072.4
DEPARTMENTS											
DEPT OF AGRICULTURE, TOTAL	427.9	478.6	559.9	645.9	685.7	744.5	794.7	818.7	881.5	925.4	926.7
AGRICULTURAL COOPERATIVE SVC 1/	1.2	1.2	N/A	N/A	N/A	1.6	1.7	1.7	2.1	2.2	1.4
AGRICULTURAL MARKETING SVC 2/	-	-	-	-	1.0	1.3	1.1	1.2	1.4	1.5	-
AGRICULTURAL RESEARCH SVC 3/	221.6	255.3	310.1	347.5	365.0	405.0	411.6	426.0	446.8	495.9	483.0
COOPERATIVE STATE RSCH SVC 4/	101.1	113.4	127.3	157.4	172.6	184.2	209.4	219.0	242.3	247.7	266.8
ECON, STAT & COOP SVC 5/	N/A	N/A	30.5	32.7	35.5	N/A	N/A	N/A	N/A	N/A	N/A
ECONOMIC RESEARCH SVC	21.3	24.0	N/A	N/A	N/A	N/A	39.3	39.3	38.8	44.3	47.5
ECONOMICS & STATISTICS SVC 6/	N/A	N/A	N/A	N/A	N/A	31.1	N/A	N/A	N/A	N/A	N/A
FOREST SERVICE	81.5	82.8	92.1	108.3	111.0	115.4	129.3	112.5	108.1	109.0	104.7
HUMAN NUTRITION INFO SERVICE	N/A	N/A	N/A	N/A	N/A	N/A	-	8.5	8.2	6.1	7.5
NATIONAL AGRICULTURAL LIBRARY	-	-	-	-	-	-	-	-	-	-	-
OFF OF INTERNAT'L COOP & DEV'T	N/A	N/A	N/A	N/A	-	5.3	3.9	2.6	5.3	9.5	6.3
OFF OF TRANSPORTATION	N/A	N/A	N/A	N/A	.7	.8	.9	.9	.8	1.0	1.0
STATISTICAL REPORTING SVC	1.2	1.9	N/A	N/A	N/A	N/A	7.5	7.0	7.6	8.2	8.5
DEPARTMENT OF COMMERCE, TOTAL	224.9	235.5	251.8	287.7	311.8	347.2	329.3	337.3	335.7	367.3	282.4
NATIONAL BUREAU OF STANDARDS	44.6	47.9	53.9	59.1	69.3	76.4	83.0	89.9	95.7	103.2	103.0
NAT'L OCEANIC & ATMOS ADMIN	135.1	139.1	147.2	163.7	171.2	203.6	202.2	222.0	222.0	244.3	165.2
OTHER COMMERCE	45.3	48.5	50.7	64.9	71.3	67.1	44.1	25.4	17.9	19.7	14.2
DEPARTMENT OF DEFENSE, TOTAL	9,179.6	9,798.1	11,409.0	11,786.2	12,776.4	14,189.2	16,786.3	20,913.1	23,305.3	27,987.1	34,511.0
DEPARTMENT OF THE ARMY	1,920.7	2,026.0	2,458.2	2,556.5	2,772.5	2,993.8	3,257.0	3,785.2	4,024.4	4,528.9	5,198.8
DEPARTMENT OF THE NAVY	3,162.8	3,373.8	3,878.6	4,044.7	4,403.1	4,789.3	5,103.9	6,001.0	6,209.9	7,764.9	9,898.1
DEPARTMENT OF THE AIR FORCE	3,573.1	3,799.6	4,381.1	4,422.4	4,693.1	5,319.0	7,128.8	9,442.6	10,951.3	12,891.6	14,836.6
DEFENSE AGENCIES	497.4	573.9	659.5	724.5	878.4	1,049.2	1,295.6	1,643.3	2,058.1	2,747.1	4,518.7
DEFENSE CIVIL PREPAREDNESS AGENCY	1.7	.7	1.3	7.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DIRECTOR OF TEST & EVALUATION	23.9	24.1	30.2	28.6	29.3	37.9	41.1	41.0	61.6	52.7	58.8
DEPARTMENT OF EDUCATION, TOTAL	N/A	N/A	N/A	N/A	166.3	139.4	104.9	128.0	111.7	131.4	115.0
DEPARTMENT OF ENERGY, TOTAL	N/A	N/A	4,097.2	4,935.5	5,483.2	5,777.8	5,896.4	5,622.2	5,294.4	5,770.6	6,146.7
DEPT OF HLTH, EDUC, & WELFARE, TOTAL	2,436.5	2,616.7	2,995.9	3,281.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	139.4	139.5	153.0	180.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NAT'L INSTITUTE OF EDUCATION	69.9	63.7	64.9	89.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	1,918.2	2,092.5	2,411.7	2,654.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	45.9	58.2	31.1	32.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER HEW	263.1	262.8	295.3	324.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPT OF HLTH & HUMAN SRVCS, TOTAL	N/A	N/A	N/A	N/A	3,958.4	3,810.8	3,950.9	3,965.4	4,400.4	4,921.9	4,967.9
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	214.4	233.5	239.7	251.4	304.0	347.9	395.6
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	3,000.8	3,211.2	3,395.5	3,452.6	3,806.8	4,281.9	4,358.5
OTHER HHS	N/A	N/A	N/A	N/A	343.2	366.1	315.7	261.5	289.6	292.1	253.8
DEPT OF HOUSING & URBAN DEVELOPMENT, TOTAL	62.4	67.6	52.1	69.7	67.9	56.0	48.1	28.9	32.1	29.0	30.9
DEPT OF THE INTERIOR, TOTAL	307.2	339.1	319.7	374.0	410.8	418.8	430.6	382.4	384.9	427.6	369.2
BUREAU OF MINES	107.6	131.3	105.3	121.1	121.3	114.4	97.4	94.8	88.6	109.9	68.9
GEOLOGICAL SURVEY	106.6	110.3	117.5	133.7	145.6	146.3	169.8	152.6	158.4	171.1	154.9
OTHER INTERIOR	93.0	97.5	96.8	119.3	143.9	158.0	163.4	135.0	137.9	146.6	145.4
DEPARTMENT OF JUSTICE, TOTAL	44.3	33.9	27.7	60.9	43.0	41.5	26.5	26.7	31.4	36.6	23.0
OFF OF JUSTICE ASSIST, RSCH, & STATISTICS	40.9	29.2	21.8	51.6	32.2	33.2	21.0	18.0	23.8	26.2	17.1
OTHER JUSTICE	3.4	4.8	5.8	9.3	10.7	8.4	5.5	8.7	7.6	10.4	5.9
DEPARTMENT OF LABOR, TOTAL	25.4	28.5	29.6	97.8	137.0	138.1	62.2	25.4	19.9	18.2	19.0
DEPARTMENT OF STATE, TOTAL	27.9	44.5	77.6	85.4	3.2	2.2	1.8	1.5	1.5	1.6	1.7
AGENCY FOR INTERNAT'L DEVMNT	26.7	42.9	75.3	82.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER STATE	1.2	1.6	2.3	2.8	3.2	2.2	1.8	1.5	1.5	1.6	1.7
DEPT OF TRANSPORTATION, TOTAL	324.8	308.7	377.1	422.4	392.7	384.5	434.5	322.0	369.6	538.4	505.7
FEDERAL AVIATION ADMIN	109.0	100.1	106.4	111.5	120.4	108.8	128.9	99.4	147.6	301.6	287.3
FEDERAL HIGHWAY ADMIN	45.1	29.3	55.9	52.1	53.5	58.3	51.2	40.3	50.4	54.8	59.5
FEDERAL RAILROAD ADMIN	39.4	60.5	58.5	65.7	56.1	56.4	46.1	24.5	16.5	31.6	15.7
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	34.0	31.4	47.2	66.5	56.8	63.8	66.4	55.9	52.5	57.3	63.4
URBAN MASS TRANS ADMIN	49.4	48.8	61.6	69.6	58.0	54.4	78.2	61.4	57.0	47.8	37.0
OTHER TRANSPORTATION	47.8	38.6	47.5	57.0	47.8	42.9	63.6	40.5	45.7	45.3	42.9

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TABLE C-116. FEDERAL OBLIGATIONS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1975-85

(MILLIONS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	1981	1982	1983	ESTIMATES 1984	ESTIMATES 1985
DEPT OF THE TREASURY, TOTAL	1.7	3.8	4.9	9.9	9.6	12.1	11.4	13.4	15.6	16.5	28.1
OTHER AGENCIES											
AGENCY FOR INTERNAT'L DEVELOPMNT	N/A	N/A	N/A	N/A	112.9	155.6	142.2	205.9	232.0	254.9	377.6
ENERGY RSCH & DEVELOPMENT ADMIN .	2,439.9	2,902.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY .	259.7	265.4	297.6	389.3	412.5	345.0	325.7	335.1	240.7	250.0	280.9
NAT'L AERONAUTICS & SPACE ADMIN .	3,207.1	3,529.0	3,288.9	3,495.6	3,725.9	3,393.2	3,708.9	3,191.6	2,762.9	3,044.4	3,499.4
NATIONAL SCIENCE FOUNDATION	618.1	661.8	724.1	788.5	838.1	909.5	976.2	976.8	1,065.2	1,247.6	1,426.6
NUCLEAR REGULATORY COMMISSION ...	67.2	98.1	119.4	140.8	157.4	190.4	227.3	220.3	207.3	190.9	168.4
VETERANS ADMINISTRATION	97.0	109.5	112.9	118.1	132.1	137.8	159.2	140.1	171.9	228.1	207.6
ALL OTHER AGENCIES	108.3	95.0	112.4	151.5	195.9	201.6	172.7	167.6	145.7	165.6	184.7

1/ INCLUDES PROGRAMS OF THE FARMER COOPERATIVE SERVICE FOR FISCAL YEARS 1967-76.

2/ FY 1979 WAS THE FIRST YEAR IN WHICH CONGRESS APPROPRIATED FUNDS TO AMS.

3/ INCLUDES THE FORMER AGRICULTURE RESEARCH SERVICE OF THE SCIENCE & EDUCATION ADMINISTRATION FOR FISCAL YEARS 1978-80.

4/ INCLUDES THE FORMER COOPERATIVE STATE RESEARCH OF THE SCIENCE & EDUCATION ADMINISTRATION FOR FISCAL YEARS 1978-80.

5/ INCLUDES PROGRAMS OF THE ECONOMIC RESEARCH SERVICE, THE STATISTICAL REPORTING SERVICE, AND THE FARMER COOPERATIVE SERVICE FOR FISCAL YEARS 1977-79.

6/ INCLUDES PROGRAMS OF THE ECONOMIC RESEARCH SERVICE AND THE STATISTICAL REPORTING SERVICE FOR FY 1980.

• INDICATES AMOUNT LESS THAN $50,000.

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-117. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1975-85

(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	1981	1982	1983	ESTIMATES 1984	ESTIMATES 1985
TOTAL, ALL AGENCIES	19,038.8	20,779.7	23,450.4	25,845.1	28,145.1	29,830.4	33,103.9	36,432.6	38,711.5	44,835.8	52,253.6
DEPARTMENTS											
DEPT OF AGRICULTURE, TOTAL	420.1	462.4	547.0	621.3	663.0	687.6	774.0	797.3	847.6	871.9	898.9
AGRICULTURAL COOPERATIVE SVC 1/	1.2	1.2	N/A	N/A	N/A	1.6	1.7	1.7	2.1	2.2	1.6
AGRICULTURAL MARKETING SVC 2/	-	-	-	-	1.0	1.3	1.1	1.2	1.4	1.5	-
AGRICULTURAL RESEARCH SVC 3/	217.1	242.1	298.9	325.5	345.8	351.8	394.1	404.9	443.4	452.9	466.9
COOPERATIVE STATE RSCH SVC 4/	101.1	113.4	127.3	157.4	172.6	184.2	199.4	219.0	232.3	237.7	256.8
ECON, STAT & COOP SVC 5/	N/A	N/A	30.5	32.7	35.5	N/A	N/A	N/A	N/A	N/A	N/A
ECONOMIC RESEARCH SVC	21.3	24.0	N/A	N/A	N/A	N/A	39.3	39.3	38.8	44.3	47.5
ECONOMICS & STATISTICS SVC 6/	N/A	N/A	N/A	N/A	N/A	31.1	N/A	N/A	N/A	N/A	N/A
FOREST SERVICE	78.2	79.9	90.3	105.6	107.5	111.5	126.1	112.1	107.7	108.6	103.1
HUMAN NUTRITION INFO SERVICE	N/A	N/A	N/A	N/A	N/A	N/A	-	8.5	8.2	6.1	7.5
NATIONAL AGRICULTURAL LIBRARY	a	a	-	-	-	-	-	-	-	-	-
OFF OF INTERNAT'L COOP & DEV'T	N/A	N/A	N/A	N/A	-	5.3	3.9	2.6	5.3	9.5	6.3
OFF OF TRANSPORTATION	N/A	N/A	N/A	N/A	.7	.8	.9	.9	.8	1.0	1.0
STATISTICAL REPORTING SVC	1.2	1.9	N/A	N/A	N/A	N/A	7.5	7.0	7.6	8.2	8.5
DEPARTMENT OF COMMERCE, TOTAL	215.4	228.9	244.7	283.7	309.4	342.5	327.9	336.3	335.0	360.0	270.6
NATIONAL BUREAU OF STANDARDS	43.2	47.4	53.2	58.3	67.8	76.2	82.5	88.8	95.0	96.0	91.2
NAT'L OCEANIC & ATMOS ADMIN	128.0	135.1	145.7	161.5	171.2	199.8	201.4	222.0	222.0	244.3	165.2
OTHER COMMERCE	44.2	46.3	45.8	63.9	70.4	66.6	44.1	25.4	17.9	19.7	14.2
DEPARTMENT OF DEFENSE, TOTAL	9,012.5	9,654.7	10,963.4	11,553.6	12,506.2	13,981.0	16,508.6	20,622.6	22,992.8	27,540.0	34,142.1
DEPARTMENT OF THE ARMY	1,896.7	2,013.7	2,441.9	2,548.9	2,768.7	2,980.0	3,244.2	3,760.5	3,998.1	4,475.5	5,153.8
DEPARTMENT OF THE NAVY	3,100.2	3,328.0	3,817.4	3,998.4	4,335.0	4,706.1	5,006.0	5,845.1	6,068.2	7,526.0	9,715.4
DEPARTMENT OF THE AIR FORCE	3,513.5	3,726.6	4,031.1	4,262.3	4,525.6	5,211.0	6,969.2	9,357.9	10,812.6	12,756.4	14,700.7
DEFENSE AGENCIES	476.5	561.6	641.4	707.9	847.6	1,046.0	1,248.2	1,618.1	2,052.3	2,729.5	4,513.4
DEFENSE CIVIL PREPAREDNESS AGENCY	1.7	.7	1.3	7.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DIRECTOR OF TEST & EVALUATION	23.9	24.1	30.2	28.6	29.3	37.9	41.1	41.0	61.6	52.7	58.8
DEPARTMENT OF EDUCATION, TOTAL	N/A	N/A	N/A	N/A	166.3	139.4	104.9	128.0	111.7	131.4	112.8
DEPARTMENT OF ENERGY, TOTAL	N/A	N/A	3,536.2	4,244.8	4 638.8	4,753.7	4,918.2	4,708.2	4,536.7	4,825.6	4,962.3
DEPT OF HLTH, EDUC, & WELFARE, TOTAL	2,397.5	2,583.6	2,823.3	3,207.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	139.4	139.5	153.0	180.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NAT'L INSTITUTE OF EDUCATION	69.9	63.7	64.9	89.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	1,879.9	2,060.2	2,279.9	2,580.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	45.9	58.2	31.1	32.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER HEW	262.4	261.9	294.5	323.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPT OF HLTH & HUMAN SRVCS, TOTAL	N/A	N/A	N/A	N/A	3,504.9	3,780.2	3,927.1	3,940.7	4,352.5	4,864.3	4,954.0
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	214.3	233.5	239.4	248.1	302.2	346.0	355.6
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	2,953.1	3,181.8	3,333.2	3,433.1	3,789.2	4,240.2	4,345.4
OTHER HHS	N/A	N/A	N/A	N/A	337.5	364.9	354.5	259.5	261.1	278.1	253.0
DEPT OF HOUSING & URBAN DEVELOPMENT, TOTAL	62.0	67.6	52.1	69.7	67.9	56.0	48.1	28.9	32.1	29.0	30.9
DEPT OF THE INTERIOR, TOTAL	303.3	333.2	314.7	359.0	405.8	411.3	427.1	381.1	382.5	421.8	369.0
BUREAU OF MINES	107.6	131.3	101.9	114.0	121.0	113.4	96.7	94.7	88.5	109.8	68.9
GEOLOGICAL SURVEY	106.6	110.3	117.5	133.7	145.6	146.3	169.8	152.6	157.0	169.8	154.7
OTHER INTERIOR	89.1	91.6	95.3	111.4	139.2	151.5	160.6	133.8	136.9	142.2	145.4
DEPARTMENT OF JUSTICE, TOTAL	44.3	33.9	27.7	60.9	43.0	41.5	26.5	26.7	31.4	36.6	23.0
OFF OF JUSTICE ASSIST, RSCH, & STATISTICS	40.9	29.4	21.8	51.6	32.2	33.2	21.0	18.0	23.8	26.2	17.1
OTHER JUSTICE	3.4	4.6	5.8	9.3	10.7	8.4	5.5	8.7	7.6	10.4	5.9
DEPARTMENT OF LABOR, TOTAL	25.4	28.5	29.6	97.8	137.0	138.1	62.2	25.4	19.9	18.2	19.0
DEPARTMENT OF STATE, TOTAL	27.9	39.4	61.4	85.2	3.2	2.2	1.8	1.5	1.5	1.6	1.7
AGENCY FOR INTERNAT'L DEVMNT	26.7	37.8	59.1	82.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER STATE	1.2	1.6	2.3	2.8	3.2	2.2	1.8	1.5	1.5	1.6	1.7
DEPT OF TRANSPORTATION, TOTAL	311.6	294.5	354.6	408.3	370.1	361.2	415.5	310.1	347.7	515.9	495.2
FEDERAL AVIATION ADMIN	105.6	98.1	103.4	110.5	110.5	103.1	120.0	94.3	126.2	279.6	277.3
FEDERAL HIGHWAY ADMIN	44.7	28.9	55.5	51.7	52.9	51.1	51.2	40.3	50.4	54.8	59.5
FEDERAL RAILROAD ADMIN	32.4	50.4	41.9	53.9	44.2	46.2	36.6	18.2	16.5	31.6	15.7
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	34.0	31.4	47.0	66.3	56.6	63.6	65.9	55.4	52.0	56.8	62.9
URBAN MASS TRANS ADMIN	47.7	47.5	59.9	69.6	58.0	54.4	78.2	61.4	57.0	47.8	37.0
OTHER TRANSPORTATION	47.2	38.2	46.9	56.3	47.8	42.9	63.6	40.5	45.7	45.3	42.9

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TABLE C-117. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1975-85

(MILLIONS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	1981	1982	1983	ESTIMATES 1984	ESTIMATES 1985
DEPT OF THE TREASURY, TOTAL	1.7	3.7	6.8	9.9	9.5	12.0	11.3	13.3	15.6	16.4	28.1
OTHER AGENCIES											
AGENCY FOR INTERNAT'L DEVELOPMNT	N/A	N/A	N/A	N/A	106.5	149.3	134.2	199.9	227.3	249.2	366.3
ENERGY RSCH & DEVELOPMENT ADMIN .	2,047.3	2,463.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY .	257.7	259.1	295.5	384.6	410.1	345.0	325.7	335.1	240.7	250.0	280.9
NAT'L AERONAUTICS & SPACE ADMIN .	3,064.4	3,446.8	3,170.8	3,333.3	3,578.4	3,234.1	3,593.2	3,077.9	2,661.6	2,888.9	3,339.4
NATIONAL SCIENCE FOUNDATION	595.0	609.3	697.0	748.8	807.9	881.8	961.6	975.3	1,062.0	1,238.5	1,414.0
NUCLEAR REGULATORY COMMISSION ...	64.2	88.4	112.3	133.9	148.8	182.7	219.7	220.3	207.3	190.9	168.4
VETERANS ADMINISTRATION	94.8	97.7	107.0	114.0	127.0	133.4	144.4	137.3	161.4	220.9	194.5
ALL OTHER AGENCIES	93.9	84.2	108.5	129.1	141.5	197.4	171.9	166.8	144.4	164.7	183.1

1/ INCLUDES PROGRAMS OF THE FARMER COOPERATIVE SERVICE FOR FISCAL YEARS 1967-76.

2/ FY 1979 WAS THE FIRST YEAR IN WHICH CONGRESS APPROPRIATED FUNDS TO AMS.

3/ INCLUDES THE FORMER AGRICULTURE RESEARCH SERVICE OF THE SCIENCE & EDUCATION ADMINISTRATION FOR FISCAL YEARS 1978-80.

4/ INCLUDES THE FORMER COOPERATIVE STATE RESEARCH OF THE SCIENCE & EDUCATION ADMINISTRATION FOR FISCAL YEARS 1978-80.

5/ INCLUDES PROGRAMS OF THE ECONOMIC RESEARCH SERVICE, THE STATISTICAL REPORTING SERVICE, AND THE FARMER COOPERATIVE SERVICE FOR FISCAL YEARS 1977-79.

6/ INCLUDES PROGRAMS OF THE ECONOMIC RESEARCH SERVICE AND THE STATISTICAL REPORTING SERVICE FOR FY 1980.

• INDICATES AMOUNT LESS THAN $50,000.

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-118. FEDERAL OBLIGATIONS FOR R&D PLANT, BY AGENCY: FISCAL YEARS 1975-85

(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	1981	1982	1983	ESTIMATES 1984	ESTIMATES 1985
TOTAL, ALL AGENCIES	820.7	836.7	1,367.2	1,295.7	1,475.5	1,555.7	1,485.7	1,389.8	1,298.1	1,719.1	1,818.8
DEPARTMENTS											
DEPT OF AGRICULTURE, TOTAL	7.8	16.1	12.9	24.7	22.6	56.9	20.8	21.5	33.9	53.4	27.8
DEPARTMENT OF COMMERCE, TOTAL	9.5	6.6	7.1	4.1	2.4	4.6	1.3	1.0	.7	7.2	11.8
DEPARTMENT OF DEFENSE, TOTAL	167.1	143.4	445.6	232.6	270.2	208.2	277.7	290.5	312.5	447.1	368.9
DEPARTMENT OF THE ARMY	23.9	12.3	16.3	7.6	3.8	13.8	12.8	24.7	26.3	53.4	45.0
DEPARTMENT OF THE NAVY	62.7	45.8	61.2	48.3	48.1	83.2	97.9	155.9	141.7	240.9	182.7
DEPARTMENT OF THE AIR FORCE	99.6	73.0	350.0	160.1	167.5	108.0	159.6	84.7	138.7	135.2	135.9
DEFENSE AGENCIES	20.9	12.3	18.1	16.6	30.8	3.2	7.4	25.2	5.8	17.6	5.3
DEPARTMENT OF ENERGY, TOTAL	N/A	N/A	561.0	690.7	844.4	1,024.1	978.2	914.0	757.7	945.0	1,184.4
DEPT OF HLTH, EDUC, & WELFARE, TOTAL	39.1	33.1	132.6	74.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPT OF HLTH & HUMAN SRVCS, TOTAL	N/A	N/A	N/A	N/A	53.5	30.6	23.7	24.7	47.9	57.6	13.9
DEPT OF THE INTERIOR, TOTAL	3.9	5.9	5.0	15.0	5.0	7.5	3.5	1.3	2.4	5.7	.2
DEPARTMENT OF STATE, TOTAL	-	5.1	16.2	.2	-	-	-	-	-	-	-
DEPT OF TRANSPORTATION, TOTAL	13.3	14.2	22.5	14.1	22.6	23.3	18.9	11.9	21.9	22.5	10.5
DEPT OF THE TREASURY, TOTAL	*	.1	.1	*	*	*	.1	.1	.1	.1	.1
OTHER AGENCIES											
AGENCY FOR INTERNAT'L DEVELOPMNT	N/A	N/A	N/A	N/A	6.4	6.3	8.0	6.0	4.8	7.8	11.3
ENERGY RSCH & DEVELOPMENT ADMIN	392.6	438.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	2.1	6.3	2.1	4.6	2.4	-	-	-	-	-	-
NAT'L AERONAUTICS & SPACE ADMIN	142.7	82.1	118.1	162.3	147.5	159.1	115.8	113.7	101.3	155.5	160.0
NATIONAL SCIENCE FOUNDATION	23.1	32.6	27.1	39.7	30.2	18.7	14.6	1.5	3.2	9.1	12.6
NUCLEAR REGULATORY COMMISSION	3.0	9.6	7.1	6.9	8.6	7.7	7.7	-	-	-	-
VETERANS ADMINISTRATION	2.2	11.8	5.9	4.1	5.1	4.4	14.8	2.8	10.5	7.2	13.1
ALL OTHER AGENCIES	14.4	10.8	3.9	22.4	54.4	4.2	.8	.8	1.3	.9	4.2

* INDICATES AMOUNT LESS THAN $50,000.

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-119. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY CHARACTER OF WORK, AND R&D PLANT: FISCAL YEARS 1975-85

(MILLIONS OF DOLLARS)

FISCAL YEARS	TOTAL	RESEARCH		DEVELOPMENT	R&D PLANT
		BASIC	APPLIED		
1975	19,859.5	2,588.4	4,141.3	12,309.1	820.7
1976	21,616.4	2,767.5	4,851.9	13,160.3	836.7
1977	24,817.6	3,258.6	5,295.5	14,936.3	1,367.2
1978	27,140.8	3,698.6	5,908.2	16,238.4	1,295.7
1979	29,620.6	4,192.7	6,342.3	17,610.1	1,475.5
1980	31,386.1	4,674.2	6,923.2	18,233.1	1,555.7
1981	34,589.6	5,041.3	7,171.5	20,891.1	1,485.7
1982	37,822.4	5,481.6	7,540.6	23,410.4	1,389.8
1983	40,009.6	6,260.1	7,993.4	24,458.0	1,298.1
1984 (ESTIMATED)	46,254.9	6,981.0	8,127.3	29,727.5	1,719.1
1985 (ESTIMATED)	54,072.4	7,637.6	8,396.6	36,219.4	1,818.8

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-120. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH, BY SELECTED AGENCY: FISCAL YEARS 1975-85

(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	1981	1982	1983	ESTIMATES 1984	ESTIMATES 1985
TOTAL, ALL AGENCIES	6,729.7	7,619.3	8,514.1	9,606.8	10,535.0	11,597.4	12,212.8	13,022.2	14,253.5	15,108.3	16,034.2
DEPARTMENTS											
DEPT OF AGRICULTURE, TOTAL	401.9	442.2	524.0	594.5	631.9	657.4	741.0	766.5	817.6	842.0	869.7
AGRICULTURAL COOPERATIVE SVC 1/	1.2	1.2	N/A	N/A	N/A	1.6	1.7	1.7	2.1	2.2	1.4
AGRICULTURAL MARKETING SVC 2/	-	-	-	-	.4	1.0	.9	1.0	1.1	1.3	-
AGRICULTURAL RESEARCH SVC 3/	204.1	227.4	281.0	303.7	320.9	328.6	367.9	379.1	417.9	427.4	441.3
COOPERATIVE STATE RSCH SVC 4/	101.1	113.4	127.3	157.4	172.6	184.2	199.4	219.0	232.3	237.7	256.8
ECON, STAT & COOP SVC 5/	N/A	N/A	29.7	32.7	35.5	N/A	N/A	N/A	N/A	N/A	N/A
ECONOMIC RESEARCH SVC	21.3	24.0	N/A	N/A	N/A	N/A	39.3	39.3	38.8	44.3	47.5
ECONOMICS & STATISTICS SVC 6/	N/A	N/A	N/A	N/A	N/A	31.1	N/A	N/A	N/A	N/A	N/A
FOREST SERVICE	73.3	74.5	86.1	100.7	102.5	106.1	119.9	107.7	103.9	105.3	100.0
HUMAN NUTRITION INFO SERVICE	N/A	N/A	N/A	N/A	N/A	N/A	-	8.5	8.2	6.1	7.5
NATIONAL AGRICULTURAL LIBRARY	*	*	-	-	-	-	-	-	-	-	-
OFF OF INTERNAT'L COOP & DEV'T	N/A	N/A	N/A	N/A	-	4.9	3.6	2.4	4.8	8.7	5.8
OFF OF TRANSPORTATION	N/A	N/A	N/A	N/A	N/A	N/A	.8	.8	.8	.9	.9
STATISTICAL REPORTING SVC	1.0	1.6	N/A	N/A	N/A	N/A	7.5	7.0	7.6	8.2	8.5
DEPARTMENT OF COMMERCE, TOTAL	144.4	155.7	176.1	192.8	219.5	254.4	249.4	276.1	284.8	293.2	219.6
NATIONAL BUREAU OF STANDARDS	34.7	37.5	45.0	48.5	51.8	58.9	66.2	73.9	81.5	82.3	81.5
NAT'L OCEANIC & ATMOS ADMIN	99.7	104.9	115.8	127.9	142.7	168.8	168.5	188.5	188.9	194.6	127.2
OTHER COMMERCE	10.0	13.3	15.4	16.3	25.0	26.7	14.7	13.6	14.5	16.3	10.8
DEPARTMENT OF DEFENSE, TOTAL	1,431.0	1,527.5	1,715.8	1,824.1	2,014.1	2,261.8	2,600.9	2,952.8	3,222.6	2,984.8	3,319.4
DEPARTMENT OF THE ARMY	336.4	362.4	398.0	409.8	448.6	479.3	536.5	639.2	693.6	673.3	802.6
DEPARTMENT OF THE NAVY	476.5	438.0	497.4	526.3	567.3	611.1	698.0	778.7	827.0	734.6	852.2
DEPARTMENT OF THE AIR FORCE	365.8	382.3	425.8	448.7	492.3	537.3	617.3	633.9	688.4	702.0	783.4
DEFENSE AGENCIES	330.6	344.1	393.4	431.7	505.9	634.1	749.1	901.0	1,013.6	874.8	881.2
DEFENSE CIVIL PREPAREDNESS AGENCY	1.7	.7	1.3	7.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF EDUCATION, TOTAL	N/A	N/A	N/A	N/A	93.4	87.6	53.8	70.5	76.1	87.4	77.2
DEPARTMENT OF ENERGY, TOTAL	N/A	N/A	891.3	1,102.2	1,131.8	1,277.3	1,413.6	1,696.1	1,961.1	2,073.4	2,213.5
DEPT OF HLTH, EDUC, & WELFARE, TOTAL	1,924.8	2,150.7	2,414.3	2,740.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	139.4	136.6	152.0	178.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NAT'L INSTITUTE OF EDUCATION	4.1	10.8	27.1	34.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	1,604.2	1,767.7	1,968.7	2,232.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	5.3	21.4	11.9	13.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER HEW	171.9	214.2	254.6	281.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPT OF HLTH & HUMAN SRVCS, TOTAL	N/A	N/A	N/A	N/A	3,015.7	3,332.8	3,492.2	3,605.6	4,020.8	4,499.0	4,605.1
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	213.5	233.5	237.7	246.1	300.4	343.8	353.3
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	2,530.1	2,787.5	2,948.3	3,124.5	3,478.2	3,894.1	4,003.0
OTHER HHS	N/A	N/A	N/A	N/A	272.0	311.8	306.2	235.1	242.3	261.1	248.8
DEPT OF HOUSING & URBAN DEVELOPMENT, TOTAL	33.5	36.9	32.7	30.5	23.8	19.6	16.7	10.3	11.3	10.5	11.1
DEPT OF THE INTERIOR, TOTAL	234.1	259.5	255.9	283.5	339.5	354.4	369.8	351.5	357.7	401.0	351.3
BUREAU OF MINES	52.9	73.3	52.3	57.0	79.1	82.8	68.0	81.1	79.4	106.7	66.6
GEOLOGICAL SURVEY	106.6	110.3	117.5	133.7	145.1	145.8	169.3	152.1	154.7	166.2	150.9
OTHER INTERIOR	74.5	75.8	86.2	92.8	115.3	125.8	132.6	118.3	123.7	130.1	133.8
DEPARTMENT OF JUSTICE, TOTAL	18.9	18.3	17.6	45.7	28.8	28.8	19.5	16.3	20.7	22.7	14.9
OFF OF JUSTICE ASSIST, RSCH, & STATISTICS	17.9	17.7	16.4	43.3	25.9	25.6	16.7	13.4	18.0	19.9	12.8
OTHER JUSTICE	1.0	.6	1.2	2.4	2.9	3.1	2.8	2.9	2.7	2.8	2.1
DEPARTMENT OF LABOR, TOTAL	15.3	18.0	18.7	25.7	42.1	36.4	58.2	17.2	17.9	17.4	18.4
DEPARTMENT OF STATE, TOTAL	22.5	25.1	38.3	49.1	2.7	2.0	1.6	1.5	1.5	1.6	1.7
AGENCY FOR INTERNAT'L DEVMNT	21.7	24.0	36.2	46.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER STATE	.7	1.1	2.1	2.5	2.7	2.0	1.6	1.5	1.5	1.6	1.7
DEPT OF TRANSPORTATION, TOTAL	53.8	31.1	51.8	66.5	67.0	82.4	88.6	66.7	72.6	82.6	80.0
FEDERAL AVIATION ADMIN	14.1	3.6	4.7	6.8	7.5	8.2	8.2	7.0	12.5	18.9	19.7
FEDERAL HIGHWAY ADMIN	3.4	1.9	5.3	4.9	4.4	4.6	5.1	5.3	7.3	7.9	9.1
FEDERAL RAILROAD ADMIN	2.7	8.6	6.6	9.2	7.5	7.9	6.2	3.1	2.8	5.4	2.7
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	12.0	9.9	27.5	38.0	30.0	38.6	29.4	21.3	21.4	24.7	27.4
URBAN MASS TRANS ADMIN	2.9	.6	1.0	1.1	1.1	8.9	9.3	19.4	18.3	15.6	12.3
OTHER TRANSPORTATION	18.7	6.5	6.7	6.5	16.5	14.2	30.4	10.6	10.3	10.1	8.8

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TABLE C-120. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH, BY SELECTED AGENCY: FISCAL YEARS 1975-85

(MILLIONS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	1981	1982	1983	ESTIMATES 1984	ESTIMATES 1985
DEPT OF THE TREASURY, TOTAL	.4	1.5	2.1	4.1	4.7	5.7	5.2	8.1	10.2	10.6	21.4
OTHER AGENCIES											
AGENCY FOR INTERMAT'L DEVELOPMNT	N/A	N/A	N/A	N/A	66.9	79.7	86.4	127.9	156.7	170.6	248.7
ENERGY RSCH & DEVELOPMENT ADMIN .	593.4	746.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY .	141.7	155.4	205.3	252.7	259.0	245.1	218.3	243.4	174.6	177.9	199.6
NAT'L AERONAUTICS & SPACE ADMIN .	935.1	1,222.8	1,206.1	1,345.2	1,451.2	1,609.6	1,407.2	1,407.1	1,544.8	1,701.2	1,914.8
NATIONAL SCIENCE FOUNDATION	570.0	595.8	688.3	743.5	800.0	873.7	955.5	973.2	1,062.0	1,238.5	1,414.0
NUCLEAR REGULATORY COMMISSION ...	64.2	88.4	112.3	133.9	148.8	182.7	219.7	220.3	207.3	190.9	168.4
VETERANS ADMINISTRATION	87.1	85.1	92.3	99.4	111.4	117.9	127.7	123.0	146.1	204.9	175.0
ALL OTHER AGENCIES	57.5	58.7	71.2	72.7	82.8	88.1	87.6	88.2	87.1	98.3	110.5

1/ INCLUDES PROGRAMS OF THE FARMER COOPERATIVE SERVICE FOR FISCAL YEARS 1967-76.

2/ FY 1979 WAS THE FIRST YEAR IN WHICH CONGRESS APPROPRIATED FUNDS TO AMS.

3/ INCLUDES THE FORMER AGRICULTURE RESEARCH SERVICE OF THE SCIENCE & EDUCATION ADMINISTRATION FOR FISCAL YEARS 1978-80.

4/ INCLUDES THE FORMER COOPERATIVE STATE RESEARCH OF THE SCIENCE & EDUCATION ADMINISTRATION FOR FISCAL YEARS 1978-80.

5/ INCLUDES PROGRAMS OF THE ECONOMIC RESEARCH SERVICE, THE STATISTICAL REPORTING SERVICE, AND THE FARMER COOPERATIVE SERVICE FOR FISCAL YEARS 1977-79.

6/ INCLUDES PROGRAMS OF THE ECONOMIC RESEARCH SERVICE AND THE STATISTICAL REPORTING SERVICE FOR FY 1980.

• INDICATES AMOUNT LESS THAN $50,000.

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-121. FEDERAL OBLIGATIONS FOR BASIC RESEARCH, BY SELECTED AGENCY: FISCAL YEARS 1975-85

(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	1981	1982	1983	ESTIMATES 1984	ESTIMATES 1985
TOTAL, ALL AGENCIES	2,588.4	2,767.5	3,258.6	3,698.6	4,192.7	4,674.2	5,041.3	5,481.6	6,260.1	6,981.0	7,637.6
DEPARTMENTS											
DEPT OF AGRICULTURE, TOTAL	154.2	171.4	204.5	242.7	256.4	275.7	314.1	330.8	362.0	386.4	419.7
AGRICULTURAL RESEARCH SVC 1/	91.2	101.7	125.6	142.4	148.2	157.8	186.4	192.9	215.3	232.5	240.1
COOPERATIVE STATE RSCH SVC 2/	38.4	43.1	48.4	65.6	70.5	75.2	83.9	91.3	98.8	100.8	128.6
ECON, STAT & COOP SVC 3/	N/A	N/A	3.8	3.9	6.4	N/A	N/A	N/A	N/A	N/A	N/A
ECONOMIC RESEARCH SVC	3.2	3.6	N/A	N/A	N/A	N/A	3.6	3.9	3.9	4.4	4.7
ECONOMICS & STATISTICS SVC 4/	N/A	N/A	N/A	N/A	N/A	6.6	N/A	N/A	N/A	N/A	N/A
FOREST SERVICE	21.1	22.6	26.7	30.8	31.4	33.7	38.1	38.7	38.8	41.3	40.2
OFF OF INTERNAT'L COOP & DEV'T	N/A	N/A	N/A	N/A	-	2.3	1.7	1.1	2.3	4.2	2.8
OFF OF TRANSPORTATION	N/A	N/A	N/A	N/A	-	-	.5	.5	.5	.5	.5
STATISTICAL REPORTING SVC	.3	.4	N/A	N/A	N/A	N/A	-	2.3	2.5	2.7	2.8
DEPARTMENT OF COMMERCE, TOTAL	8.1	11.0	12.3	11.8	11.9	15.9	16.2	16.9	19.2	20.5	18.4
NATIONAL BUREAU OF STANDARDS	5.4	5.8	6.9	5.9	8.8	12.8	15.6	16.5	18.4	19.2	17.8
OTHER COMMERCE	2.8	5.2	5.4	5.9	3.1	3.1	.6	.3	.9	1.3	.6
DEPARTMENT OF DEFENSE, TOTAL	300.1	326.9	393.3	410.4	471.5	540.3	604.3	686.7	785.6	816.6	913.2
DEPARTMENT OF THE ARMY	71.7	81.4	99.0	104.1	115.0	132.2	148.1	187.7	208.3	209.2	238.5
DEPARTMENT OF THE NAVY	118.7	129.7	153.8	172.1	192.1	214.9	238.0	280.3	305.4	308.5	359.9
DEPARTMENT OF THE AIR FORCE	78.9	83.9	84.8	95.1	105.0	108.2	125.8	145.8	164.2	187.9	206.2
DEFENSE AGENCIES	30.7	31.9	35.6	39.1	59.3	85.1	92.4	72.9	107.7	111.0	108.6
DEPARTMENT OF EDUCATION, TOTAL	N/A	N/A	N/A	N/A	20.6	17.6	20.6	14.2	14.2	12.4	14.3
DEPARTMENT OF ENERGY, TOTAL	N/A	N/A	389.5	440.5	463.0	523.1	586.3	642.2	767.7	841.7	944.5
DEPT OF HLTH, EDUC, & WELFARE, TOTAL	903.7	986.2	1,119.5	1,292.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	66.2	52.6	62.7	79.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NAT'L INSTITUTE OF EDUCATION	1.9	2.1	11.9	18.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	828.5	920.2	1,032.8	1,181.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER HEW	7.1	8.2	12.2	13.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPT OF HLTH & HUMAN SRVCS, TOTAL	N/A	N/A	N/A	N/A	1,576.0	1,762.7	1,900.4	2,144.7	2,475.4	2,793.1	2,925.9
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	94.6	104.7	116.3	117.3	145.0	165.4	169.3
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	1,463.7	1,642.3	1,764.8	2,020.7	2,313.0	2,607.7	2,738.1
OTHER HHS	N/A	N/A	N/A	N/A	17.7	15.6	17.3	6.7	17.4	20.0	18.5
DEPT OF THE INTERIOR, TOTAL	54.9	54.3	63.6	65.9	72.5	71.6	80.7	76.5	103.0	124.7	102.8
BUREAU OF MINES	1.9	.8	4.0	8.6	13.7	11.6	13.6	15.9	23.5	45.5	32.3
GEOLOGICAL SURVEY	38.6	39.5	40.3	44.3	49.0	47.3	53.5	52.6	64.7	69.9	63.9
OTHER INTERIOR	14.4	14.0	19.3	11.0	9.8	12.8	13.6	7.9	14.8	9.3	6.5
DEPARTMENT OF JUSTICE, TOTAL	9.5	4.5	5.1	14.7	7.9	9.5	4.6	3.1	3.6	4.0	2.6
OFF OF JUSTICE ASSIST, RSCH, & STATISTICS	9.5	4.5	5.1	14.7	7.9	9.5	4.6	3.1	3.6	4.0	2.6
DEPARTMENT OF LABOR, TOTAL	.9	1.0	.7	3.7	2.3	3.9	3.7	6.5	5.3	4.9	4.5
DEPARTMENT OF STATE, TOTAL	1.5	-	-	-	*	-	-	-	-	-	-
AGENCY FOR INTERNAT'L DEVMNT	1.5	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER STATE	-	-	-	-	*	-	-	-	-	-	-
DEPT OF TRANSPORTATION, TOTAL	.1	-	-	-	-	-	1.2	1.0	.9	.6	.4
OTHER TRANSPORTATION	.1	-	-	-	-	-	1.2	1.0	.9	.6	.4
DEPT OF THE TREASURY, TOTAL	-	-	-	-	.2	1.7	2.3	2.2	3.5	4.0	7.6

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TABLE C-121. FEDERAL OBLIGATIONS FOR BASIC RESEARCH, BY SELECTED AGENCY: FISCAL YEARS 1975-85

(MILLIONS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	1981	1982	1983	ESTIMATES 1984	ESTIMATES 1985
OTHER AGENCIES											
AGENCY FOR INTERNAT'L DEVELOPMNT	N/A	N/A	N/A	N/A	-	-	-	-	4.1	2.7	3.9
ENERGY RSCH & DEVELOPMENT ADMIN .	312.8	345.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY .	17.4	13.7	8.3	6.0	10.1	13.6	10.5	32.7	22.2	22.7	25.5
NAT'L AERONAUTICS & SPACE ADMIN .	309.3	293.2	413.8	479.7	512.8	559.1	531.1	535.7	617.0	689.1	826.7
NATIONAL SCIENCE FOUNDATION	486.0	523.6	624.9	678.0	733.3	815.2	896.6	916.1	999.1	1,172.5	1,335.8
VETERANS ADMINISTRATION	3.9	8.9	9.1	8.9	9.5	14.3	15.0	12.9	14.1	15.2	15.0
ALL OTHER AGENCIES	26.1	27.0	34.2	43.9	44.6	49.8	53.6	59.6	63.1	70.5	76.8

1/ INCLUDES THE FORMER AGRICULTURE RESEARCH SERVICE OF THE SCIENCE & EDUCATION ADMINISTRATION FOR FISCAL YEARS 1978-80.

2/ INCLUDES THE FORMER COOPERATIVE STATE RESEARCH OF THE SCIENCE & EDUCATION ADMINISTRATION FOR FISCAL YEARS 1978-80.

3/ INCLUDES PROGRAMS OF THE ECONOMIC RESEARCH SERVICE, THE STATISTICAL REPORTING SERVICE, AND THE FARMER COOPERATIVE SERVICE FOR FISCAL YEARS 1977-79.

4/ INCLUDES PROGRAMS OF THE ECONOMIC RESEARCH SERVICE AND THE STATISTICAL REPORTING SERVICE FOR FY 1980.

• INDICATES AMOUNT LESS THAN $50,000.

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-122. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY SELECTED AGENCY: FISCAL YEARS 1975-85

(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	1981	1982	1983	ESTIMATES 1984	ESTIMATES 1985
TOTAL, ALL AGENCIES	4,141.3	4,851.9	5,255.5	5,908.2	6,342.3	6,923.2	7,171.5	7,540.6	7,993.4	8,127.3	8,396.6
DEPARTMENTS											
DEPT OF AGRICULTURE, TOTAL	247.8	270.9	319.6	351.8	375.5	381.8	426.9	435.7	455.5	455.6	450.0
AGRICULTURAL COOPERATIVE SVC 1/	1.2	1.2	N/A	N/A	N/A	1.6	1.7	1.7	2.1	2.2	1.4
AGRICULTURAL MARKETING SVC 2/	-	-	-	-	.4	1.0	.9	1.0	1.1	1.3	-
AGRICULTURAL RESEARCH SVC 3/	112.9	125.9	155.4	161.3	172.7	170.8	181.5	186.2	202.6	194.9	201.2
COOPERATIVE STATE RSCH SVC 4/	62.7	70.3	78.9	91.9	102.1	109.0	115.5	127.7	133.5	136.8	128.2
ECON, STAT & COOP SVC 5/	N/A	N/A	25.9	28.8	29.1	N/A	N/A	N/A	N/A	N/A	N/A
ECONOMIC RESEARCH SVC	18.1	20.4	N/A	N/A	N/A	N/A	35.8	35.3	34.9	39.9	42.7
ECONOMICS & STATISTICS SVC 6/	N/A	N/A	N/A	N/A	N/A	24.5	N/A	N/A	N/A	N/A	N/A
FOREST SERVICE	52.2	51.9	59.4	69.8	71.1	72.3	81.8	69.0	65.1	64.1	59.8
HUMAN NUTRITION INFO SERVICE	N/A	N/A	N/A	N/A	N/A	N/A	-	8.5	8.2	6.1	7.5
NATIONAL AGRICULTURAL LIBRARY	*	*	-	-	-	-	-	-	-	-	-
OFF OF INTERNAT'L COOP & DEV'T	N/A	N/A	N/A	N/A	-	2.6	1.9	1.2	2.5	4.6	3.0
OFF OF TRANSPORTATION	N/A	N/A	N/A	N/A	-	-	.3	.3	.3	.4	.4
STATISTICAL REPORTING SVC	.7	1.1	N/A	N/A	N/A	N/A	7.5	4.7	5.1	5.5	5.7
DEPARTMENT OF COMMERCE, TOTAL	136.3	144.7	163.8	181.0	207.6	238.5	233.2	259.2	265.6	272.6	201.2
NATIONAL BUREAU OF STANDARDS	29.4	31.7	38.0	42.6	43.0	46.1	50.6	57.4	63.1	63.1	63.7
NAT'L OCEANIC & ATMOS ADMIN	99.7	104.9	115.8	127.9	142.7	168.8	168.5	188.5	188.9	194.6	127.2
OTHER COMMERCE	7.2	8.1	10.0	10.4	21.9	23.6	14.0	13.3	13.6	15.0	10.2
DEPARTMENT OF DEFENSE, TOTAL	1,130.9	1,200.6	1,342.6	1,413.6	1,542.6	1,721.4	1,996.6	2,266.1	2,437.0	2,168.2	2,406.2
DEPARTMENT OF THE ARMY	264.7	281.0	299.0	305.7	333.6	347.1	388.4	451.6	485.3	464.2	564.1
DEPARTMENT OF THE NAVY	287.8	308.3	343.6	354.2	375.2	396.2	460.0	498.4	521.6	426.1	492.3
DEPARTMENT OF THE AIR FORCE	276.9	298.4	341.0	353.6	387.2	429.1	491.5	488.1	524.2	514.1	577.2
DEFENSE AGENCIES	299.9	312.2	357.8	392.5	446.6	549.1	656.7	828.1	905.9	763.8	772.6
DEFENSE CIVIL PREPAREDNESS AGENCY	1.7	.7	1.3	7.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF EDUCATION, TOTAL	N/A	N/A	N/A	N/A	72.8	70.0	33.2	56.3	61.9	75.0	62.9
DEPARTMENT OF ENERGY, TOTAL	N/A	N/A	501.8	661.7	668.9	754.2	827.3	1,053.9	1,193.4	1,231.7	1,269.0
DEPT OF HLTH, EDUC, & WELFARE, TOTAL	1,021.1	1,164.6	1,294.8	1,448.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	73.2	84.1	89.3	98.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NAT'L INSTITUTE OF EDUCATION	2.2	5.7	12.2	16.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH	775.7	847.4	935.9	1,051.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION	5.3	21.4	11.9	13.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER HEW	164.8	206.0	242.5	268.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPT OF HLTH & HUMAN SRVCS, TOTAL	N/A	N/A	N/A	N/A	1,439.7	1,570.1	1,591.9	1,460.9	1,545.4	1,705.9	1,679.1
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	N/A	N/A	N/A	N/A	118.9	128.8	121.4	128.7	155.4	178.4	184.0
NATIONAL INSTITUTES OF HEALTH	N/A	N/A	N/A	N/A	1,066.4	1,145.1	1,181.5	1,103.8	1,165.2	1,286.3	1,264.9
OTHER HHS	N/A	N/A	N/A	N/A	254.3	296.2	289.0	228.4	224.9	241.1	230.2
DEPT OF HOUSING & URBAN DEVELOPMENT, TOTAL	33.5	36.9	32.7	30.5	23.8	19.6	16.7	10.3	11.3	10.5	11.1
DEPT OF THE INTERIOR, TOTAL	179.1	205.1	192.4	217.6	266.9	282.8	289.2	275.0	254.7	276.3	248.6
BUREAU OF MINES	51.0	72.5	48.3	48.4	65.4	71.3	54.4	65.2	55.9	59.3	34.3
GEOLOGICAL SURVEY	68.0	70.8	77.2	87.4	96.1	98.5	115.8	99.4	89.9	96.3	87.0
OTHER INTERIOR	60.1	61.8	66.9	81.8	105.5	113.0	119.0	110.4	108.8	120.7	127.2
DEPARTMENT OF JUSTICE, TOTAL	9.4	13.8	12.5	31.0	20.9	19.2	14.9	13.2	17.1	18.7	12.4
OFF OF JUSTICE ASSIST, RSCH, & STATISTICS	8.5	13.2	11.3	28.6	18.0	16.1	12.0	10.3	14.4	15.9	10.3
OTHER JUSTICE	1.0	.6	1.2	2.4	2.9	3.1	2.8	2.9	2.7	2.8	2.1
DEPARTMENT OF LABOR, TOTAL	14.4	17.0	18.0	22.0	39.8	32.6	54.5	10.6	12.7	13.0	13.9
DEPARTMENT OF STATE, TOTAL	21.0	25.1	38.3	49.1	2.6	2.0	1.6	1.5	1.5	1.6	1.7
AGENCY FOR INTERNAT'L DEVMNT	20.2	24.0	36.2	46.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER STATE	.7	1.1	2.1	2.5	2.6	2.0	1.6	1.5	1.5	1.6	1.7
DEPT OF TRANSPORTATION, TOTAL	53.8	31.1	51.8	66.5	67.0	82.4	87.4	65.7	71.7	82.0	79.6
FEDERAL AVIATION ADMIN	14.1	3.6	4.7	6.8	7.5	8.2	8.2	7.0	12.5	18.9	19.7
FEDERAL HIGHWAY ADMIN	3.4	1.9	5.3	4.9	4.4	4.6	5.1	5.3	7.3	7.9	9.1
FEDERAL RAILROAD ADMIN	2.7	8.6	6.6	9.2	7.5	7.9	6.2	3.1	2.8	5.4	2.7
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	12.0	9.9	27.5	38.0	30.0	38.6	29.4	21.3	21.4	24.7	27.4
URBAN MASS TRANS ADMIN	2.9	.6	1.0	1.1	1.1	8.9	9.3	19.4	18.3	15.6	12.3
OTHER TRANSPORTATION	18.6	6.5	6.7	6.5	16.5	14.2	29.2	9.6	9.4	9.5	8.4

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TABLE C-122. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY SELECTED AGENCY: FISCAL YEARS 1975-85

(MILLIONS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	1981	1982	1983	ESTIMATES 1984	ESTIMATES 1985
DEPT OF THE TREASURY, TOTAL	.4	1.5	2.1	4.1	4.5	4.0	2.9	5.9	6.7	6.6	13.8
OTHER AGENCIES											
AGENCY FOR INTERNAT'L DEVELOPMNT	N/A	N/A	N/A	N/A	66.9	79.7	86.4	127.9	152.6	167.9	244.8
ENERGY RSCH & DEVELOPMENT ADMIN .	280.7	400.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY .	124.3	141.7	197.0	246.7	248.9	231.5	207.8	210.7	152.4	155.2	174.1
NAT'L AERONAUTICS & SPACE ADMIN .	625.8	929.6	792.3	865.4	938.4	1,050.5	876.0	871.4	927.8	1,012.0	1,088.1
NATIONAL SCIENCE FOUNDATION	84.0	72.1	63.4	65.5	66.8	58.4	58.9	57.1	62.9	66.0	78.2
NUCLEAR REGULATORY COMMISSION ...	64.2	88.4	112.3	133.9	148.8	182.7	219.7	220.3	207.3	190.9	168.4
VETERANS ADMINISTRATION	83.3	76.2	83.2	90.5	101.8	103.6	112.7	110.1	132.0	189.7	160.0
ALL OTHER AGENCIES	31.4	31.7	36.9	28.8	34.2	38.2	34.0	28.7	24.0	27.8	33.7

1/ INCLUDES PROGRAMS OF THE FARMER COOPERATIVE SERVICE FOR FISCAL YEARS 1967-76.

2/ FY 1979 WAS THE FIRST YEAR IN WHICH CONGRESS APPROPRIATED FUNDS TO ANS.

3/ INCLUDES THE FORMER AGRICULTURE RESEARCH SERVICE OF THE SCIENCE & EDUCATION ADMINISTRATION FOR FISCAL YEARS 1978-80.

4/ INCLUDES THE FORMER COOPERATIVE STATE RESEARCH OF THE SCIENCE & EDUCATION ADMINISTRATION FOR FISCAL YEARS 1978-80.

5/ INCLUDES PROGRAMS OF THE ECONOMIC RESEARCH SERVICE, THE STATISTICAL REPORTING SERVICE, AND THE FARMER COOPERATIVE SERVICE FOR FISCAL YEARS 1977-79.

6/ INCLUDES PROGRAMS OF THE ECONOMIC RESEARCH SERVICE AND THE STATISTICAL REPORTING SERVICE FOR FY 1980.

• INDICATES AMOUNT LESS THAN $50,000.

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-123. FEDERAL OBLIGATIONS FOR DEVELOPMENT, BY SELECTED AGENCY: FISCAL YEARS 1975-85
(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	1975	1976	1977	1978	1979	1980	1981	1982	1983	ESTIMATES 1984	ESTIMATES 1985
TOTAL, ALL AGENCIES	12,309.1	13,160.3	14,936.3	16,238.4	17,610.1	18,233.1	20,891.1	23,410.4	24,458.0	29,727.5	36,219.4
DEPARTMENTS											
DEPT OF AGRICULTURE, TOTAL	18.1	20.2	22.9	26.8	31.1	30.2	33.0	30.8	30.0	29.9	29.2
DEPARTMENT OF COMMERCE, TOTAL	71.0	73.1	68.6	90.9	89.9	88.1	78.6	60.2	50.2	66.9	51.0
DEPARTMENT OF DEFENSE, TOTAL	7,581.5	8,127.2	9,247.5	9,729.6	10,492.1	11,719.2	13,907.7	17,649.8	19,770.1	24,555.3	30,822.7
DEPARTMENT OF THE ARMY	1,560.4	1,651.3	2,043.9	2,139.1	2,320.1	2,500.7	2,707.7	3,121.3	3,304.5	3,802.1	4,351.2
DEPARTMENT OF THE NAVY	2,693.7	2,890.1	3,320.0	3,472.1	3,767.7	4,095.0	4,308.0	5,066.4	5,241.2	6,791.4	8,843.2
DEPARTMENT OF THE AIR FORCE	3,157.7	3,344.3	3,605.3	3,813.6	4,033.4	4,673.7	6,351.9	8,724.0	10,124.2	12,054.4	13,917.3
DEFENSE AGENCIES	145.9	217.5	248.0	276.2	341.7	411.9	499.1	717.1	1,038.7	1,854.7	3,632.2
DIRECTOR OF TEST & EVALUATION	23.9	24.1	30.2	28.6	29.3	37.9	41.1	41.0	61.4	52.7	58.8
DEPARTMENT OF EDUCATION, TOTAL	N/A	N/A	N/A	N/A	72.9	51.8	51.1	57.5	35.6	44.1	35.1
DEPARTMENT OF ENERGY, TOTAL	N/A	N/A	2,645.0	3,142.6	3,506.9	3,476.4	3,504.6	3,012.1	2,575.6	2,752.2	2,748.8
DEPT OF HLTH, EDUC, & WELFARE, TOTAL	472.6	432.8	409.0	466.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DEPT OF HLTH & HUMAN SRVCS, TOTAL	N/A	N/A	N/A	N/A	489.2	447.4	434.9	335.2	331.7	365.3	348.9
DEPT OF HOUSING & URBAN DEVELOPMENT, TOTAL	28.5	30.6	19.4	39.2	44.1	36.4	31.4	18.5	20.8	18.5	19.8
DEPT OF THE INTERIOR, TOTAL	69.3	73.7	58.7	75.5	66.3	56.8	57.3	29.6	24.8	20.8	17.7
DEPARTMENT OF JUSTICE, TOTAL	25.4	15.5	10.1	15.2	14.1	12.7	7.0	10.4	10.7	13.8	8.0
DEPARTMENT OF LABOR, TOTAL	10.1	10.5	10.8	72.1	94.9	101.6	4.0	8.3	1.9	.8	.6
DEPARTMENT OF STATE, TOTAL	5.4	14.2	23.1	36.1	.5	.3	.2	-	-	-	-
DEPT OF TRANSPORTATION, TOTAL	257.7	263.4	302.8	341.8	303.1	278.8	327.0	243.4	275.1	433.3	415.2
DEPT OF THE TREASURY, TOTAL	1.3	2.3	2.7	5.8	4.8	6.3	6.1	5.2	5.4	5.8	6.7
OTHER AGENCIES											
AGENCY FOR INTERNAT'L DEVELOPMENT	N/A	N/A	N/A	N/A	39.6	69.7	47.8	72.0	70.6	78.5	117.5
ENERGY RSCH & DEVELOPMENT ADMIN	1,453.9	1,717.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	115.9	103.7	90.2	132.0	151.1	99.9	107.4	91.7	66.1	72.1	81.3
NAT'L AERONAUTICS & SPACE ADMIN	2,129.3	2,224.0	1,964.7	1,988.1	2,127.2	1,624.4	2,186.0	1,670.7	1,116.8	1,187.7	1,424.6
NATIONAL SCIENCE FOUNDATION	25.0	13.5	8.7	5.3	7.9	8.1	6.1	2.2	-	-	-
VETERANS ADMINISTRATION	7.7	12.6	14.7	14.6	15.6	15.5	16.7	14.3	15.3	16.0	19.5
ALL OTHER AGENCIES	36.4	25.5	37.3	36.5	58.7	109.4	84.4	78.6	57.3	66.4	72.7

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-124. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY PERFORMER: FISCAL YEARS 1975-85

(MILLIONS OF DOLLARS)

PERFORMER	1975	1976	1977	1978	1979	1980	1981	1982	1983	ESTIMATES 1984	ESTIMATES 1985
TOTAL	19,038.8	20,779.7	23,450.4	25,845.1	28,145.1	29,830.4	33,103.9	36,432.6	38,711.5	44,835.8	52,253.6
FEDERAL INTRAMURAL 1/	5,354.0	5,768.7	6,011.7	6,810.4	7,417.5	7,632.3	8,425.7	9,141.0	10,581.9	12,287.2	13,387.6
INDUSTRIAL FIRMS 2/	9,126.9	10,154.1	11,829.9	12,642.5	13,490.5	14,377.2	16,281.8	18,698.7	18,649.0	22,171.7	27,737.6
UNIVERSITIES AND COLLEGES	2,411.4	2,951.8	2 905.5	3,374.6	3,888.8	4,263.4	4,465.8	4,605.5	4,966.4	5,567.0	5,958.0
FFRDCS ADMINISTERED BY UNIVERSITIES	935.1	1,061.1	1,313.1	1,311.9	1,488.3	1,533.3	1,791.0	1,976.7	2,265.8	2,286.1	2,467.6
OTHER NONPROFIT INSTITUTIONS 2/	922.3	939.6	1,063.9	1,314.1	1,395.2	1,547.4	1,594.0	1,612.2	1,822.8	2,121.1	2,228.4
ALL OTHER PERFORMERS	289.2	304.3	326.2	391.6	464.8	476.7	545.6	398.5	425.5	402.8	474.4

1/ FEDERAL INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE.

2/ INCLUDES FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS (FFRDCS) ADMINISTERED BY THIS SECTOR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-125. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH, BY PERFORMER: FISCAL YEARS 1975-85

(MILLIONS OF DOLLARS)

PERFORMER	1975	1976	1977	1978	1979	1980	1981	1982	1983	ESTIMATES 1984	ESTIMATES 1985
TOTAL	6,729.7	7,619.3	8,514.1	9,606.8	10,535.0	11,597.4	12,212.8	13,022.2	14,253.5	15,108.3	16,034.2
FEDERAL INTRAMURAL 1/	2,463.8	2,879.2	2,957.7	3,220.8	3,481.2	3,666.3	4,034.2	4,194.2	4,710.3	4,981.5	5,263.8
INDUSTRIAL FIRMS 2/	1,145.9	1,279.5	1,559.4	1,886.6	2,006.9	2,388.6	2,309.7	2,643.9	2,675.3	2,601.6	2,811.8
UNIVERSITIES AND COLLEGES	2,078.8	2,249.7	2,583.5	2,928.0	3,333.4	3,699.1	3,920.1	4,045.4	4,467.9	5,006.2	5,322.6
FFRDCS ADMINISTERED BY UNIVERSITIES	425.5	548.3	670.3	714.9	800.6	851.2	940.6	1,056.7	1,211.6	1,276.7	1,330.6
OTHER NONPROFIT INSTITUTIONS 2/	459.5	492.9	567.7	657.8	696.0	750.2	772.9	847.7	922.1	963.6	997.3
ALL OTHER PERFORMERS	156.2	169.8	175.5	198.8	216.9	242.1	235.3	234.2	266.4	279.7	308.2

1/ FEDERAL INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE.

2/ INCLUDES FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS (FFRDCS) ADMINISTERED BY THIS SECTOR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-126. FEDERAL OBLIGATIONS FOR BASIC RESEARCH, BY PERFORMER: FISCAL YEARS 1975-85

(MILLIONS OF DOLLARS)

PERFORMER	1975	1976	1977	1978	1979	1980	1981	1982	1983	ESTIMATES 1984	ESTIMATES 1985
TOTAL	2,588.4	2,767.5	3,258.6	3,698.6	4,192.7	4,674.2	5,041.3	5,481.6	6,260.1	6,981.0	7,637.6
FEDERAL INTRAMURAL 1/	733.5	786.0	914.1	1,029.3	1,089.1	1,182.5	1,301.8	1,465.5	1,689.8	1,868.2	2,036.2
INDUSTRIAL FIRMS 2/	166.4	190.9	261.2	313.1	343.7	395.6	366.2	358.3	388.7	436.4	504.0
UNIVERSITIES AND COLLEGES	1,260.6	1,341.7	1,555.1	1,759.2	2,079.9	2,320.3	2,503.2	2,727.1	3,112.3	3,502.1	3,833.9
FFRDCS ADMINISTERED BY UNIVERSITIES	257.5	284.9	324.1	356.8	393.6	436.8	490.6	516.7	591.2	652.4	712.8
OTHER NONPROFIT INSTITUTIONS 2/	142.1	134.4	168.2	198.5	247.0	287.0	321.8	364.6	417.6	462.3	489.4
ALL OTHER PERFORMERS	28.3	29.5	36.0	41.7	39.3	52.0	57.7	49.4	60.5	59.6	61.4

1/ FEDERAL INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE.

2/ INCLUDES FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS (FFRDCS) ADMINISTERED BY THIS SECTOR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-127. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY PERFORMER: FISCAL YEARS 1975-85

(MILLIONS OF DOLLARS)

PERFORMER	1975	1976	1977	1978	1979	1980	1981	1982	1983	ESTIMATES 1984	ESTIMATES 1985
TOTAL	4,141.3	4,851.9	5,255.5	5,908.2	6,342.3	6,923.2	7,171.5	7,540.6	7,993.4	8,127.3	8,396.6
FEDERAL INTRAMURAL 1/	1,730.3	2,093.1	2,043.6	2,191.5	2,392.1	2,483.8	2,732.4	2,728.7	3,020.4	3,113.3	3,227.6
INDUSTRIAL FIRMS 2/	979.6	1,088.6	1,298.2	1,573.4	1,663.2	1,993.0	1,943.5	2,285.6	2,286.6	2,165.3	2,307.8
UNIVERSITIES AND COLLEGES	818.2	908.0	1,028.4	1,168.8	1,253.5	1,378.8	1,416.9	1,318.3	1,355.6	1,504.1	1,488.7
FFRDCS ADMINISTERED BY UNIVERSITIES	168.0	263.4	346.2	358.1	407.0	414.3	450.0	540.0	620.5	624.3	617.8
OTHER NONPROFIT INSTITUTIONS 2/	317.4	358.5	399.5	459.2	449.0	463.2	451.1	483.1	504.4	501.3	507.9
ALL OTHER PERFORMERS	127.9	140.2	139.5	157.1	177.6	190.1	177.6	184.9	205.8	219.0	246.8

1/ FEDERAL INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE.

2/ INCLUDES FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS (FFRDCS) ADMINISTERED BY THIS SECTOR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-128. FEDERAL OBLIGATIONS FOR DEVELOPMENT, BY PERFORMER: FISCAL YEARS 1975-85

(MILLIONS OF DOLLARS)

PERFORMER	1975	1976	1977	1978	1979	1980	1981	1982	1983	ESTIMATES 1984	ESTIMATES 1985
TOTAL	12,309.1	13,160.3	14,936.3	16,238.4	17,610.1	18,233.1	20,891.1	23,410.4	24,458.0	29,727.5	36,219.4
FEDERAL INTRAMURAL 1/	2,890.2	2,889.6	3,054.0	3,589.7	3,936.3	3,966.1	4,391.5	4,946.8	5,871.7	7,305.7	8,123.8
INDUSTRIAL FIRMS 2/	7,980.9	8,874.7	10,270.5	10,755.9	11,483.6	11,988.6	13,972.1	16,054.7	15,973.7	19,570.0	24,925.8
UNIVERSITIES AND COLLEGES	332.7	302.1	322.0	446.6	555.5	564.4	545.6	560.0	498.5	560.8	635.4
FFRDCS ADMINISTERED BY UNIVERSITIES	509.6	512.8	642.8	597.1	687.7	682.2	850.4	920.0	1,054.2	1,009.4	1,137.0
OTHER NONPROFIT INSTITUTIONS 2/	462.8	446.7	496.2	656.3	699.2	797.2	821.1	745.5	900.8	1,157.5	1,231.1
ALL OTHER PERFORMERS	133.0	134.5	150.7	192.8	247.9	234.7	310.4	184.3	159.2	124.1	166.3

1/ FEDERAL INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE.

2/ INCLUDES FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS (FFRDCS) ADMINISTERED BY THIS SECTOR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-129. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH, BY FIELD OF SCIENCE: FISCAL YEARS 1975-85

(MILLIONS OF DOLLARS)

FIELD OF SCIENCE	1975	1976	1977	1978	1979	1980	1981	1982	1983	ESTIMATES 1984	ESTIMATES 1985
TOTAL, ALL FIELDS	6,729.7	7,519.3	8,514.1	9,606.8	10,535.0	11,597.4	12,212.8	13,022.2	14,253.5	15,108.3	16,034.2
LIFE SCIENCES	2,455.2	2,649.7	3,007.7	3,427.1	3,848.3	4,192.3	4,635.6	4,745.3	5,177.9	5,749.1	5,981.4
PSYCHOLOGY	139.2	144.9	156.2	193.2	197.4	199.0	208.9	218.2	240.9	264.0	295.3
PHYSICAL SCIENCES	1,096.6	1,258.9	1,530.2	1,645.6	1,792.6	2,000.6	2,220.5	2,500.4	2,891.3	3,002.5	3,143.1
ENVIRONMENTAL SCIENCES	727.3	769.3	906.0	1,024.6	1,101.0	1,261.0	1,[illegible].1	1,148.3	1,251.2	1,279.3	1,336.2
MATHEMATICS & COMPUTER SCIENCES	125.3	157.8	195.9	216.3	210.3	240.9	278.9	350.1	419.4	446.2	579.2
ENGINEERING	1,717.8	2,068.7	2,112.9	2,404.6	2,571.6	2,830.1	3,071.5	3,386.5	3,617.0	3,551.8	3,345.5
SOCIAL SCIENCES	301.8	392.5	426.1	489.5	527.3	523.8	497.4	385.9	435.3	481.5	473.0
OTHER SCIENCES, NEC	166.6	178.6	179.1	205.8	286.6	349.6	378.8	287.0	320.4	333.9	380.3

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-130. FEDERAL OBLIGATIONS FOR BASIC RESEARCH, BY FIELD OF SCIENCE: FISCAL YEARS 1975-85

(MILLIONS OF DOLLARS)

FIELD OF SCIENCE	1975	1976	1977	1978	1979	1980	1981	1982	1983	ESTIMATES 1984	ESTIMATES 1985
TOTAL, ALL FIELDS	2,588.4	2,767.5	3,258.6	3,698.6	4,192.7	4,674.2	5,041.3	5,481.6	6,260.1	6,981.0	7,637.6
LIFE SCIENCES	1,115.9	1,222.0	1,383.4	1,588.4	1,891.8	2,054.4	2,223.8	2,526.0	2,891.3	3,242.9	3,455.4
PSYCHOLOGY	58.6	65.5	55.7	64.0	75.1	84.2	91.0	89.9	92.9	109.1	116.8
PHYSICAL SCIENCES	709.0	721.4	890.0	941.4	1,050.0	1,220.6	1,324.9	1,393.6	1,587.2	1,751.1	1,958.2
ENVIRONMENTAL SCIENCES	280.8	294.3	387.5	451.3	457.3	522.4	532.8	520.0	580.1	636.4	707.6
MATHEMATICS & COMPUTER SCIENCES	62.0	81.8	83.4	97.7	104.2	116.3	140.4	165.1	208.1	228.2	292.2
ENGINEERING	262.8	272.8	337.7	376.0	434.7	465.2	526.0	610.5	689.5	784.7	866.8
SOCIAL SCIENCES	73.8	86.4	95.5	124.3	129.7	147.2	137.0	120.2	137.7	150.0	158.5
OTHER SCIENCES, NEC	25.5	43.1	25.5	35.4	50.0	63.9	65.4	56.1	73.3	78.6	82.1

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-131. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY FIELD OF SCIENCE: FISCAL YEARS 1975-85

(MILLIONS OF DOLLARS)

FIELD OF SCIENCE	1975	1976	1977	1978	1979	1980	1981	1982	1983	ESTIMATES 1984	ESTIMATES 1985
TOTAL, ALL FIELDS	4,141.3	4,851.9	5,255.5	5,908.2	6,342.3	6,923.2	7,171.5	7,540.6	7,993.4	8,127.3	8,396.6
LIFE SCIENCES	1,339.3	1,427.7	1,624.4	1,838.7	1,956.5	2,137.9	2,211.8	2,219.5	2,286.6	2,506.2	2,526.1
PSYCHOLOGY	80.6	78.5	100.5	109.2	122.3	114.8	117.9	128.5	147.9	154.9	178.5
PHYSICAL SCIENCES	387.7	537.5	640.2	704.2	743.6	780.0	895.6	1,106.5	1,304.3	1,251.5	1,184.7
ENVIRONMENTAL SCIENCES	446.5	475.0	518.5	573.3	643.7	738.6	588.2	628.3	671.2	642.9	628.6
MATHEMATICS & COMPUTER SCIENCES	63.3	76.0	112.5	118.5	106.1	124.7	138.4	185.0	211.3	218.0	287.0
ENGINEERING	1,454.9	1,795.9	1,775.2	2,028.6	2,137.0	2,364.9	2,545.4	2,776.1	2,827.5	2,767.1	2,978.7
SOCIAL SCIENCES	228.1	306.0	330.6	345.1	397.6	376.6	360.5	265.7	297.5	331.2	314.6
OTHER SCIENCES, NEC	141.0	135.4	153.6	170.4	236.6	285.7	313.5	231.0	247.1	255.2	298.1

SOURCE: NATIONAL SCIENCE FOUNDATION.

TABLE C-132. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEARS 1972-83

(MILLIONS OF DOLLARS)

DIVISION AND STATE	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
TOTAL	15,261.8	15,486.1	16,990.7	18,542.3	20,247.4	22,941.1	25,077.7	27,084.2	28,627.3	31,929.6	35,361.6	37,627.8
NEW ENGLAND	1,259.8	1,264.4	1,561.8	1,650.5	1,716.2	1,961.3	2,227.1	2,658.6	2,780.7	3,172.5	3,567.3	3,454.9
CONNECTICUT	169.2	133.9	233.7	269.7	234.4	291.8	299.8	328.4	470.3	435.0	439.6	743.3
MAINE	16.3	9.6	10.5	11.9	15.6	18.3	25.4	23.1	25.9	24.4	23.9	20.3
MASSACHUSETTS	961.2	923.6	1,188.3	1,228.6	1,284.9	1,472.0	1,689.3	2,055.6	2,047.7	2,407.1	2,775.2	2,314.3
NEW HAMPSHIRE	21.5	30.6	22.3	33.6	34.7	32.6	68.7	94.1	50.3	54.8	50.8	79.7
RHODE ISLAND	68.9	59.3	74.9	75.1	101.8	110.3	120.3	140.7	149.9	182.5	242.1	267.5
VERMONT	22.6	17.5	25.1	31.6	39.7	36.3	23.7	16.7	36.6	18.7	35.7	23.7
MIDDLE ATLANTIC	2,481.0	2,206.7	2,160.2	2,281.3	2,439.1	2,607.7	2,802.2	3,111.4	3,257.6	3,416.0	3,711.9	4,990.0
NEW JERSEY	763.1	645.2	473.8	442.0	495.7	566.3	522.5	649.3	729.4	775.6	887.9	1,293.4
NEW YORK	1,075.6	932.6	1,026.3	1,058.6	1,107.4	1,203.8	1,284.1	1,362.2	1,440.8	1,557.7	1,692.5	2,525.2
PENNSYLVANIA	642.3	628.8	660.1	780.7	836.0	837.5	995.7	1,099.9	1,059.4	1,082.9	1,131.5	1,173.3
EAST NORTH CENTRAL	1,179.6	1,082.8	1,263.8	1,377.3	1,439.5	1,726.3	2,010.4	2,097.8	2,316.2	2,349.3	2,260.1	2,505.9
ILLINOIS	291.0	287.6	325.4	371.3	414.3	517.2	564.3	547.2	599.9	572.6	543.0	567.5
INDIANA	100.5	82.9	95.0	92.8	92.4	102.8	108.1	122.0	162.4	170.1	186.2	213.6
MICHIGAN	186.3	153.1	196.6	248.9	222.2	316.6	367.8	264.4	377.5	357.2	376.7	412.5
OHIO	521.7	478.1	567.3	585.2	627.8	694.8	870.3	1,053.7	1,054.7	1,[illegible].2	1,024.8	1,170.1
WISCONSIN	80.1	79.6	79.6	79.2	82.8	94.8	111.9	111.0	121.7	132.2	129.4	142.4
WEST NORTH CENTRAL	906.0	830.8	607.4	574.0	681.6	974.8	1,250.7	1,277.8	1,618.5	1,829.6	2,151.3	1,299.6
IOWA	37.9	38.5	46.5	47.8	48.5	60.1	68.3	84.9	121.7	147.4	136.3	95.2
KANSAS	31.3	30.4	29.4	32.8	32.1	36.3	106.6	136.3	353.6	471.0	637.7	97.4
MINNESOTA	177.0	120.2	106.9	123.2	153.3	186.5	177.7	202.8	261.6	309.0	378.6	448.2
MISSOURI	679.5	608.1	387.0	337.0	404.3	639.6	827.3	778.9	801.6	820.4	911.3	576.8
NEBRASKA	11.7	13.4	14.7	20.3	21.4	24.5	33.5	31.3	31.6	31.7	32.0	42.3
NORTH DAKOTA	10.5	9.5	10.5	13.0	14.8	19.3	28.5	33.4	38.7	40.1	36.5	27.2
SOUTH DAKOTA	8.1	10.7	12.4	6.8	7.3	8.5	9.1	10.2	9.9	10.2	19.0	12.4
SOUTH ATLANTIC	3,560.6	3,706.0	3,752.8	3,993.2	4,228.7	4,771.2	5,179.2	5,567.6	6,109.8	6,674.3	7,563.6	8,927.8
DELAWARE	17.4	40.8	10.4	10.0	8.0	15.3	11.1	14.4	20.8	25.9	34.6	20.4
DISTRICT OF COLUMBIA	462.1	490.0	552.3	580.3	570.3	728.1	795.2	768.4	807.0	921.0	954.6	1,196.1
FLORIDA	1,022.5	952.0	783.3	796.8	788.3	872.5	890.1	913.1	1,120.8	1,373.7	1,776.4	1,276.0
GEORGIA	71.9	66.8	70.5	81.0	92.3	111.2	155.7	184.4	169.8	195.0	217.3	237.2
MARYLAND	1,318.1	1,434.8	1,528.9	1,610.3	1,811.2	1,991.4	2,091.0	2,299.8	2,465.0	2,585.1	2,850.2	3,412.4
NORTH CAROLINA	83.3	101.7	110.0	116.9	139.1	154.7	192.3	220.9	227.7	259.8	272.7	312.5
SOUTH CAROLINA	26.3	23.7	28.8	24.6	30.8	47.4	118.3	114.3	87.5	96.1	98.7	104.6
VIRGINIA	529.6	567.9	642.3	726.8	751.5	780.2	857.1	945.1	1,059.3	1,066.4	1,268.1	2,286.1
WEST VIRGINIA	29.4	28.2	25.9	46.5	37.2	70.5	73.2	107.2	152.0	151.2	91.0	82.5
EAST SOUTH CENTRAL	636.9	681.5	726.7	45.6	885.2	1,112.9	1,225.5	1,304.6	1,395.8	1,603.7	1,486.7	1,386.0
ALABAMA	359.0	376.5	377.4	363.1	374.6	414.7	432.0	516.9	455.7	493.5	561.5	671.7
KENTUCKY	32.1	38.1	31.3	35.2	51.0	56.6	62.1	43.0	107.9	101.0	97.2	93.1
MISSISSIPPI	60.7	57.2	76.3	57.9	71.6	95.4	87.1	100.7	109.3	125.5	125.7	185.8
TENNESSEE	187.2	209.5	241.7	289.4	388.2	546.3	644.3	644.1	722.9	883.6	702.3	435.5
WEST SOUTH CENTRAL	798.9	794.0	772.1	874.2	1,021.9	1,048.5	1,313.9	1,316.6	1,229.3	1,477.1	1,400.1	1,698.4
ARKANSAS	13.2	16.6	14.2	23.3	26.5	24.3	42.4	37.3	30.0	31.2	43.5	31.4
LOUISIANA	103.6	91.6	75.7	101.8	126.1	156.5	162.7	209.1	196.3	331.8	236.8	186.6
OKLAHOMA	29.1	34.8	29.9	34.5	32.1	48.2	105.0	70.1	94.5	82.4	65.6	67.9
TEXAS	653.0	651.0	652.2	714.5	837.2	819.4	1,003.8	1,000.1	908.6	1,031.7	1,054.3	1,412.6
MOUNTAIN	1,214.4	1,290.6	1,213.0	1,281.0	1,400.4	1,727.3	2,077.9	2,262.7	2,568.2	3,016.4	3,002.8	3,913.1
ARIZONA	89.9	94.8	99.5	116.3	122.1	142.5	163.4	201.4	334.6	367.7	264.5	469.9
COLORADO	369.1	410.8	323.3	267.9	248.6	324.2	393.2	442.2	573.7	632.8	556.6	436.2
IDAHO	75.9	81.8	52.2	67.2	72.7	119.8	107.0	147.1	147.7	119.5	127.0	223.4
MONTANA	19.0	19.1	13.6	28.4	29.8	47.8	27.5	41.6	47.7	45.4	42.7	35.0
NEVADA	140.3	143.1	112.5	150.0	179.7	184.3	196.7	222.1	244.5	263.0	376.3	647.1
NEW MEXICO	451.5	462.8	532.0	554.8	626.3	751.4	987.4	955.5	954.2	1,224.1	1,322.6	1,804.9
UTAH	58.9	66.7	68.7	80.1	101.5	133.2	161.8	211.6	243.9	305.7	287.9	268.9
WYOMING	9.9	10.7	11.0	16.3	19.4	24.2	40.8	41.0	53.9	58.2	25.4	28.4
PACIFIC	4,158.2	4,562.2	4,864.3	5,692.5	6,369.4	6,824.7	6,906.2	7,390.2	7,232.4	8,304.6	10,118.0	9,369.0
ALASKA	46.0	41.8	25.3	36.4	37.6	38.1	48.7	45.9	42.5	51.8	40.0	40.4
CALIFORNIA	3,473.1	3,840.2	4,075.7	4,839.6	5,496.1	5,785.5	5,839.2	6,338.6	6,097.7	7,049.7	8,888.3	8,439.9
HAWAII	47.4	47.9	53.1	43.0	45.5	36.9	44.6	40.8	42.6	49.9	44.5	71.4
OREGON	53.7	64.3	59.9	79.0	84.6	84.9	95.3	100.1	97.9	105.6	106.3	108.0
WASHINGTON	537.9	567.9	650.4	694.6	705.6	879.1	878.3	864.7	951.8	1,047.5	1,038.9	709.3
OUTLYING AREAS	18.4	19.7	19.6	28.8	22.4	47.8	38.7	39.4	45.3	38.9	40.7	32.0
OFFICES ABROAD	46.1	47.4	49.1	43.9	43.0	38.6	45.9	57.7	73.5	47.2	59.0	51.0

NOTE: (1) FOR EACH YEAR, THE DATA SHOWN INCLUDE THE OBLIGATIONS OF THE 10 OR 11 MAJOR R&D-SUPPORT AGENCIES IN THAT YEAR, AND REPRESENT 97 PERCENT OR MORE OF THE TOTAL FEDERAL R&D OBLIGATIONS IN THAT YEAR.

(2) ALTHOUGH THE NON-GEOGRAPHIC HISTORICAL TABLES INCORPORATE CORRECTIONS TO PREVIOUSLY REPORTED DATA THAT HAVE BEEN SUBMITTED BY THE REPORTING AGENCIES, CORRESPONDING CORRECTIONS TO THE GEOGRAPHIC DISTRIBUTIONS ARE RARELY OBTAINABLE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-133. FEDERAL OBLIGATIONS FOR R&D PLANT, BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEARS 1972-83

(MILLIONS OF DOLLARS)

DIVISION AND STATE	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
TOTAL	595.6	757.5	749.8	801.0	799.2	1,334.0	1,262.0	1,393.8	1,533.1	1,454.4	1,340.1	1,280.9
NEW ENGLAND	24.5	15.5	17.7	22.7	22.4	36.1	34.9	58.2	34.1	54.2	50.6	37.5
CONNECTICUT	2.7	2.4	5.2	3.8	1.9	3.9	2.3	12.3	1.0	9.2	25.1	5.5
MAINE	.4	*	.2	*	*	.1	.1	.1	*	*	*	*
MASSACHUSETTS	16.1	8.4	9.5	11.0	14.0	24.4	28.7	36.9	20.4	35.7	23.3	29.5
NEW HAMPSHIRE	1.5	.4	1.1	2.9	3.0	1.4	1.3	5.4	*	7.7	.1	.7
RHODE ISLAND	2.8	4.2	.7	4.9	4.5	5.3	2.4	3.5	2.6	1.6	2.1	1.9
VERMONT	1.1	.1	1.0	-	-	-	-	*	-	*	-	-
MIDDLE ATLANTIC	74.1	99.7	101.4	76.8	99.6	133.9	189.3	180.7	187.4	236.1	173.1	138.2
NEW JERSEY	14.9	5.3	2.5	11.5	22.1	64.8	96.7	64.8	60.5	55.7	57.0	42.0
NEW YORK	21.9	81.8	77.1	44.4	37.5	61.0	63.8	69.4	91.4	85.1	65.0	77.0
PENNSYLVANIA	37.3	12.6	21.8	18.9	11.0	8.1	28.8	46.5	35.5	95.2	51.1	19.2
EAST NORTH CENTRAL	85.5	129.7	69.7	48.2	66.5	114.6	108.7	96.4	123.3	152.6	107.4	92.3
ILLINOIS	68.1	84.3	42.9	29.6	45.2	91.0	72.9	61.9	71.5	74.1	74.3	80.3
INDIANA	.5	.3	.1	.1	.8	.6	.4	.7	.7	.9	.6	1.7
MICHIGAN	2.9	4.8	.2	.6	2.0	1.1	1.9	3.6	8.3	41.5	7.8	2.1
OHIO	13.0	39.1	19.6	15.1	13.6	6.4	23.9	28.0	40.3	68.2	23.7	7.7
WISCONSIN	1.0	1.1	6.9	2.9	4.9	.5	9.6	2.9	2.5	3.0	1.0	1.9
WEST NORTH CENTRAL	8.1	4.7	26.5	5.8	3.6	3.6	7.6	12.4	53.5	7.1	11.2	11.4
IOWA	.8	.1	.5	.7	1.1	1.5	2.3	2.2	2.9	2.1	2.2	2.7
KANSAS	.1	.2	.1	*	.1	.1	.2	*	.1	.1	.1	.2
MINNESOTA	1.3	.5	23.4	.1	.5	.4	1.2	.8	.3	.5	.4	.8
MISSOURI	.7	.3	.8	4.1	.5	.9	1.2	5.6	40.9	1.8	5.7	6.0
NEBRASKA	1.6	1.0	1.5	.4	1.2	.2	.3	.8	2.1	.6	.7	.5
NORTH DAKOTA	.5	.1	.2	.4	.5	.6	2.3	1.4	4.1	1.4	1.2	.9
SOUTH DAKOTA	3.1	1.5	.4	-	-	*	.1	1.6	3.1	.7	.9	.2
SOUTH ATLANTIC	114.1	142.9	140.5	173.7	166.9	358.5	233.4	202.0	181.2	170.3	237.9	252.3
DELAWARE	*	*	.1	.1	-	*	*	-	.7	1.6	.1	.4
DISTRICT OF COLUMBIA	9.0	31.5	1.1	7.9	21.4	11.3	11.1	22.0	14.3	31.7	33.6	24.7
FLORIDA	47.7	40.1	51.7	96.0	76.3	155.2	81.1	46.2	46.7	25.5	31.8	37.5
GEORGIA	1.8	.7	.1	.5	.2	1.2	1.8	1.0	.6	1.6	1.5	2.1
MARYLAND	36.1	51.4	60.8	40.1	36.7	80.4	87.7	64.3	53.3	52.3	82.2	80.9
NORTH CAROLINA	6.0	4.8	4.1	.3	.6	66.8	4.5	3.9	8.2	1.2	1.4	4.1
SOUTH CAROLINA	1.2	3.4	7.7	3.8	3.3	2.2	6.9	2.7	3.1	18.8	65.2	49.5
VIRGINIA	11.3	7.0	14.0	23.1	11.6	24.7	29.3	42.0	41.5	33.9	21.1	29.8
WEST VIRGINIA	.9	4.2	.8	1.9	16.7	16.7	17.0	13.1	12.9	3.7	1.1	23.3
EAST SOUTH CENTRAL	27.7	55.4	54.7	52.5	76.9	54.7	55.9	65.1	134.7	109.6	78.4	40.3
ALABAMA	6.7	5.1	5.6	8.4	12.3	5.3	6.5	2.6	47.9	16.5	5.8	6.1
KENTUCKY	.1	*	.2	-	-	-	*	2.9	*	4.3	1.4	.4
MISSISSIPPI	.4	13.0	15.2	4.8	4.1	11.5	6.0	3.8	6.6	2.4	5.9	6.5
TENNESSEE	20.5	37.4	33.6	39.3	60.5	37.8	43.4	55.8	80.1	85.5	65.2	27.3
WEST SOUTH CENTRAL	11.2	11.9	8.2	8.9	11.1	17.2	34.6	27.3	30.8	31.3	34.7	10.0
ARKANSAS	.1	.2	.4	.7	.9	2.8	.9	.2	.7	.7	1.0	1.5
LOUISIANA	.5	.4	1.6	.3	2.3	3.6	20.9	17.7	12.6	14.1	22.2	2.4
OKLAHOMA	.2	.1	.1	.3	.2	.4	1.0	.5	3.2	2.7	1.2	1.3
TEXAS	10.4	11.1	6.1	7.6	7.8	10.4	11.8	8.7	14.2	13.9	10.2	4.7
MOUNTAIN	84.1	95.5	86.2	104.9	123.8	195.6	210.2	254.9	284.3	244.9	269.4	295.0
ARIZONA	2.3	.5	3.6	1.3	2.7	1.6	33.9	35.3	1.8	.4	.4	5.4
COLORADO	16.2	21.9	7.9	4.9	12.0	12.7	11.6	9.7	35.6	24.9	16.6	44.4
IDAHO	5.4	6.3	11.0	16.2	19.7	26.1	35.6	41.7	45.1	11.9	21.4	19.7
MONTANA	.1	.1	.1	.3	.1	.8	*	1.2	3.7	.1	.1	.2
NEVADA	17.5	14.4	9.2	11.7	11.7	14.8	18.5	24.3	22.4	84.9	30.0	33.0
NEW MEXICO	41.6	51.6	50.3	68.1	76.6	137.9	101.7	133.6	169.5	119.3	194.6	191.8
UTAH	1.0	.5	4.1	2.1	.8	1.5	8.0	2.9	1.9	1.2	3.1	.5
WYOMING	*	.2	*	.3	.2	.3	.9	1.2	4.3	2.0	1.2	.1
PACIFIC	156.3	176.7	243.8	305.9	256.1	417.8	381.9	489.2	509.8	446.2	415.5	402.4
ALASKA	.7	.5	.1	.9	.8	.6	.7	.8	.1	*	*	21.3
CALIFORNIA	123.4	128.0	141.1	151.1	147.3	303.3	259.5	400.2	377.4	355.4	334.6	348.7
HAWAII	.9	.4	.4	6.2	2.8	.5	.7	.5	.7	.1	.1	.1
OREGON	1.2	.1	.1	1.2	2.0	*	2.6	.9	3.9	1.0	.1	.2
WASHINGTON	30.2	47.8	102.1	146.5	103.1	113.4	118.3	86.8	128.2	89.0	80.8	12.1
OUTLYING AREAS	1.8	1.3	.6	.5	.3	.1	1.7	.5	2.9	.7	.5	.2
OFFICES ABROAD	8.2	24.3	.2	1.1	1.0	1.9	3.9	7.1	1.1	1.3	1.4	1.2

* INDICATES AMOUNT LESS THAN $50,000.

NOTE: (1) FOR EACH YEAR, THE DATA SHOWN INCLUDE THE OBLIGATIONS OF THE 10 OR 11 MAJOR R&D-PLANT-SUPPORT AGENCIES IN THAT YEAR, AND REPRESENT 97 PERCENT OR MORE OF THE TOTAL FEDERAL R&D PLANT OBLIGATIONS IN THAT YEAR.

(2) ALTHOUGH THE NON-GEOGRAPHIC HISTORICAL TABLES INCORPORATE CORRECTIONS TO PREVIOUSLY REPORTED DATA THAT HAVE BEEN SUBMITTED BY THE REPORTING AGENCIES, CORRESPONDING CORRECTIONS TO THE GEOGRAPHIC DISTRIBUTIONS ARE RARELY OBTAINABLE.

SOURCE: NATIONAL SCIENCE FOUNDATION

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"1983 Plant Biology Research Expenditures Totaled $200 Million and Were Concentrated in Land-grant Institutions"	84-327	-----
"Science and Engineering Jobs Grew Twice as Fast as Overall U.S. Employment with Industry Taking the Lead"	84-317	-----
"Graduate Science/Engineering Enrollment Grew by 2% Between Fall 1981 and 1982, With Computer Sciences, Up 20%, Leading Growth"	84-313	-----
"One-fourth of Academic Research Equipment Classified Obsolete"	84-312	-----
"1982 Job Market for New Science and Engineering Graduates About the Same as That of Previous Years"	84-310	-----
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"No Change in Science and Engineering Student Quality Seen by 60% of Academic Officials: At Least 25% Perceive Improvement"	83-322	-----
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"Growth in Neuroscience May Be Leveling Off"	83-314	-----
"Projected Employment Scenarios Show Possible Shortages in Some Engineering and Computer Specialties"	83-307	-----

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The 1982 Postcensal Survey of Scientists and Engineers	84-330	-----
U.S. Scientists and Engineers: 1982	84-321	-----
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